

2025

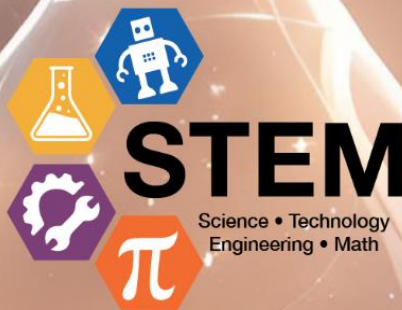
Hillsborough Regional

STEM FAIR

February 12, 2025

Tampa Convention Center
Tampa, FL

$$M = \left(\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2} \right)$$



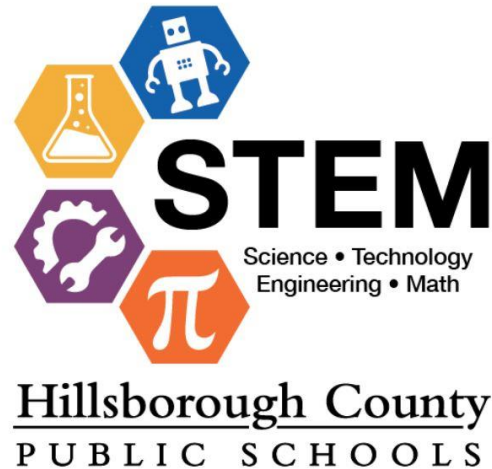
Science • Technology
Engineering • Math

Hillsborough County
PUBLIC SCHOOLS

More Information:

● <https://www.hillsboroughschools.org/Page/4685> ●

Hillsborough County Public Schools congratulates the student participants of the 2025 Hillsborough Regional STEM Fair!



Engaging in Science, Technology, Engineering and Math (STEM) lessons, activities, and extra-curriculars allow students of all ages to develop skills they will use in school and throughout their future career. These skills include problem solving, critical thinking, collaborating, communicating and many more.

Our STEM vision in Hillsborough County Public schools is that (1) ALL students will utilize STEM skills in their everyday environment to solve real-life problems using engineering principles and design thinking and (2) ALL students will be immersed in competitions and events that afford the opportunity to enjoy STEM while applying concepts learned in the classroom.

Our approach to STEM education includes utilizing a network of collaborative partnerships including institutes of higher education, business partners, philanthropic organizations, and many STEM-rich cultural institutions. Through the use of experiential hands-on learning and cross-curricular collaborations between Science, Technology, Engineering, Mathematics, and Career and Technical Education, we ready the students of HCPS for college and career success.

Have questions about STEM?

Email us at: k-12stem@hcps.net

Website: <https://www.hillsboroughschools.org/Domain/5646>

Twitter (X): @HCPSTEM



February 7, 2025

Dear Students,

Congratulations on your achievements this year at the 2025 Hillsborough Regional STEM (Science, Technology, Engineering, and Math) Fair! Bristol Myers Squibb is proud to be celebrating your creative and innovative work alongside your teachers, peers and loved ones.

At Bristol Myers Squibb, our vision is to transform patients' lives through science. Our scientists are passionate and focused on innovation that drives new treatments in diseases where there is the greatest need. Without the incredible expertise of highly skilled scientists, engineers and technologists, our mission would not be possible.

The 2025 Hillsborough Regional STEM Fair excites us with the incredible array of talent right here in the Tampa Bay area. The memories you have made, the knowledge you have gained, and the lessons you have learned at this event will last you a lifetime. We would like to thank you for your commitment to STEM and for allowing us to join you at this year's STEM Fair.

Once again, congratulations on your amazing work this year! We look forward to seeing what the future holds for you all, our next generation of STEM scientists, doctors and leaders.

Best regards,
Bristol Myers Squibb

Table of Contents

Bristol Myers Squibb..... 3

AGENDA 7

GRAND AWARDS CEREMONY..... 8

HILLSBOROUGH COUNTY PUBLIC SCHOOLS..... 9

FAIR DIRECTORS 10

 ASSOCIATE DIRECTOR & SCIENCE RESEARCH COMMITTEE CHAIR 10

 SITES AND PROGRAM COMMITTEE 10

 SCREENING COMMITTEE 11

 JUDGING COMMITTEE 11

 AWARDS COMMITTEE..... 12

FRIEND OF THE FAIR 13

EDUCATORS OF THE FAIR 14

ELEMENTARY SPECIAL AWARDS 15

SECONDARY SPECIAL AWARDS..... 19

ELEMENTARY MEMORIAL AWARDS..... 20

SECONDARY MEMORIAL AWARDS 21

Division Projects - Elementary (Grades K-5)..... 22

ELEMENTARY DIVISION • CLASS PROJECTS..... 23

 • KINDERGARTEN PROJECTS • 23

 • FIRST GRADE PROJECTS • 25

 • SECOND GRADE PROJECTS • 27

 • SPECIAL PROJECTS • 30

ELEMENTARY DIVISION • INDIVIDUAL PROJECTS • THIRD GRADE 31

 • BEHAVIORAL SCIENCE • 31

 • EARTH SPACE SCIENCE • 31

 • ENGINEERING • 31

 • INVENTIONS • 32

 • LIFE SCIENCE • 32

 • MATH, COMPUTERS, CODING • 32

 • PHYSICAL SCIENCE - ENERGY • 32

 • PHYSICAL SCIENCE - MATTER • 34

ELEMENTARY DIVISION • INDIVIDUAL PROJECTS • FOURTH GRADE 36

 • BEHAVIORAL SCIENCE • 36

 • EARTH SPACE SCIENCE • 36

 • ENGINEERING • 37

• INVENTIONS •	38
• LIFE SCIENCE •	38
• MATH, COMPUTERS, CODING •	40
• PHYSICAL SCIENCE - ENERGY •	40
• PHYSICAL SCIENCE - MATTER •	42
ELEMENTARY DIVISION • INDIVIDUAL PROJECTS • FIFTH GRADE	44
• BEHAVIORAL SCIENCE •	44
• EARTH SPACE SCIENCE •	45
• ENGINEERING •	45
• INVENTIONS •	46
• LIFE SCIENCE •	47
• MATH, COMPUTERS, CODING •	49
• PHYSICAL SCIENCE - ENERGY •	49
• PHYSICAL SCIENCE - MATTER •	51
ELEMENTARY DIVISION • GROUP PROJECTS • THIRD GRADE	54
• BEHAVIORAL SCIENCE •	54
• EARTH SPACE SCIENCE •	55
• ENGINEERING •	55
• INVENTIONS •	56
• LIFE SCIENCE •	56
• MATH, COMPUTERS, CODING •	57
• PHYSICAL SCIENCE - ENERGY •	58
• PHYSICAL SCIENCE - MATTER •	61
ELEMENTARY DIVISION • GROUP PROJECTS • FOURTH GRADE	64
• BEHAVIORAL SCIENCE •	64
• EARTH SPACE SCIENCE •	65
• ENGINEERING •	65
• INVENTIONS •	66
• LIFE SCIENCE •	67
• MATH, COMPUTERS, CODING •	67
• PHYSICAL SCIENCE - ENERGY •	68
• PHYSICAL SCIENCE - MATTER •	72
ELEMENTARY DIVISION • GROUP PROJECTS • FIFTH GRADE	75
• BEHAVIORAL SCIENCE •	75
• EARTH SPACE SCIENCE •	77
• ENGINEERING •	77
• INVENTIONS •	78
• LIFE SCIENCE •	79

• MATH, COMPUTERS, CODING •	81
• PHYSICAL SCIENCE - ENERGY •	81
• PHYSICAL SCIENCE - MATTER •	84
Math Homework Hotline	88
- The EdGems Math Team	89
Junior (Grades 6-8) Division and Senior (Grades 9-12) Division Projects	90
Senior Animal Sciences	91
Junior Animal Sciences.....	91
Senior Behavioral and Social Sciences	91
Junior Behavioral and Social Sciences.....	91
Senior Biomedical and Health Sciences	92
Junior Biomedical and Health Sciences.....	92
Senior Chemistry.....	93
Junior Chemistry	93
Senior Cellular/Molecular Biology & Biochemistry.....	95
Junior Cellular/Molecular Biology & Biochemistry	95
Senior Earth and Environmental Sciences	96
Junior Earth and Environmental Sciences.....	96
Senior Engineering	98
Junior Engineering.....	98
Junior Environmental Engineering.....	99
Senior Intelligent Machines, Robotics and Systems Software.....	100
Junior Intelligent Machines, Robotics and Systems Software	100
Senior Mathematics and Computational Sciences	100
Junior Mathematics and Computational Sciences.....	100
Senior Microbiology	101
Senior Physics and Astronomy.....	101
Junior Physics and Astronomy	101
Senior Plant Sciences	102
Junior Plant Sciences.....	102
Thank you to the 2025 Hillsborough Regional STEM Fair Sponsors!	105



Hillsborough Regional STEM FAIR



AGENDA

All events will be held at the Tampa Convention Center

Tuesday, February 11, 2025

Elementary / Junior/ Senior Divisions (K-12)

2:00 pm – 6:30 pm	K-5 Project Set-Up	Project Screening* / Set Up Time
2:00 pm – 7:00 pm	6-12 Project Set-Up	

* Middle School and High School students who take advantage of early bird set up will have their project boards screened for physical features on Tuesday evening and will not have to arrive at Tampa Convention Center (TCC) until 11:00 am on Wednesday, February 12th.

* Elementary, Middle and High School students who wait until Wednesday, February 12th to set up their project boards must arrive at TCC by 8:00 am.

Wednesday, February 12, 2025

The Tampa Convention Center concessions will remain open from 8:00 am-5:00 pm

Elementary Division (K-5)

8:00 am – 9:00 am	Project Set-Up Continues
8:00 am – 9:00 am	Project Screening
9:30 am – 1:00 pm	Project Judging*

Junior and Senior Divisions (6-12)

8:00 am – 9:00 am	Project Set-Up Continues
9:00 am – 11:00 am	Project Screening ^Δ
11:00 am – 11:45 pm	Lunch
12:00 pm – 5:00 pm	Project Judging ^Δ

Students must be in attendance for:

* Grades 3 – 5 Individual Projects (face-to-face participants only)

* Grades 3 – 5 Small Group Projects: One student must be present for judging (face-to-face participants only).

^Δ Grades 6 – 12 Individual and Team Projects: All participants must be present for judging.

^Δ Grades 6 – 12 Individual and Team Project Boards should be taken from the TCC after judging has concluded.

Projects remaining after 5:00 pm, Wednesday, February 12th will become the property of the Hillsborough Regional STEM Fair and may be discarded after this deadline. One school representative should check that ALL of their school's projects are removed by the deadline.

- Teachers and/or chaperones should take responsibility for students being prepared with materials to keep themselves productively occupied while waiting for the screening and judging processes to be completed. Suggestions include reading materials, homework, and game books such as mazes, word searches, or puzzles.
- Grades 3-5 Small Group Projects: only one member of the group will be allowed to stand by the project to speak to the judge.

Wednesday, February 26, 2025

The 2025 HR STEM Award Ceremony will air on *The Tampa Bay Arts & Education Network*
at 6:00 pm EST on <https://hillsboroughschools.tv/>









Hillsborough Regional STEM FAIR



GRAND AWARDS CEREMONY

Grand Awards Ceremony *Tune in Live!*

**February 26, 2025
6:00pm EST**

Online			
 hillsboroughschools.tv		 watch.tbae.net	
Cable Channels			
 635	 32	 636	 34

HILLSBOROUGH COUNTY PUBLIC SCHOOLS

School Board

Jessica Vaughn, Board Chair, District 3
Karen Perez, Board Vice Chair, District 6
Nadia T. Combs, District 1
Stacy A. Hahn, Ph.D., District 2
Patricia “Patti” Rendon, District 4
Henry “Shake” Washington, District 5
Lynn L. Gray, District 7

Superintendent of Schools

Van Ayres

Deputy Superintendent Academics and Transformation

Shay McRae

Assistant Superintendent Curriculum and Instruction

Tracie Bergman

Assistant Superintendent Teaching and Learning

Deborah Pepe

Supervisor of K-12 Science, Technology, Engineering & Mathematics

Catherine “Cate” White, Ed.D.

Supervisor of K-5 Science Education

Shana Tirado

Supervisor of 6-8 Science Education

Nicole Jacquay

Supervisor of 9-12 Science Education

Clayton Nylund, Ed.D.

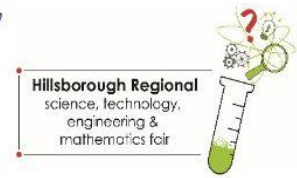
Coordinator for K-12 STEM

Nicole Tuminella





Hillsborough Regional STEM FAIR



FAIR DIRECTORS

Dr. Catherine White
Shana Tirado
Nicole Jacquay
Dr. Clayton Nylund

Supervisor, K-12 STEM Education
Supervisor, K-5 Science
Supervisor, 6-8 Science
Supervisor, 9-12 Science

ASSOCIATE DIRECTOR & SCIENCE RESEARCH COMMITTEE CHAIR

Karen Johnson

Nature's Classroom

SITES AND PROGRAM COMMITTEE

Michelle Allmand
Melissa Baird
Cindy Bergevin
Kelly Brocato
Shannon Carter
Jerry Comellas
Carrie Donatelli
Christie Hampson
John Honey
Dr Clayton Nylund
Amy Singletary
Circe MacDonald
Kevin Martin
Cheryl Pahl
Lynn Reagin*
Nicole Renteria
Amy Schmidt
Elizabeth Sheehan
Kristen Skinner*
Nicole Tuminella
Megan Urquhart
Rebecca Vercher
Richard Young

Turner Bartels K-8
Schmidt Elementary
Science Teacher Emeritus
Valrico Elementary
Lithia Springs Elementary
Wilson Middle School
Clark Elementary
Hunter's Green
Nelson Elementary School
Supervisor of 9-12 Science
District Resource Teacher, 6-8 Science
Bevis Elementary
Principal, Mintz Elementary
Science Teacher Emeritus
Fishhawk Creek Elementary
District K-5 Science Academic Coach
Wilson Middle School
Wilson Middle School
District K-5 Science Academic Coach
K-12 Coordinator for STEM Education
Stowers Elementary
Fishhawk Creek Elementary
Lithia Springs Elementary

*Chairpersons

SCREENING COMMITTEE

Judy Der	McDonald Elementary
Ronit Elkin	Clark Elementary
Naomi Frierson	Temple Terrace Elementary
Karen Johnson*	Nature's Classroom
Kathy Hockman	Nature's Classroom
Chris Korte	Orange Grove Middle Magnet
Dianne Schroeder	Strawberry Crest High School
Nicole McGlashan	District 6-8 Math Academic Coach
Sara Schlosser	District 6-8 Math Academic Coach
Imarlys Cajegas	York K-8 Innovation Academy
LeeAnne Foster	Martinez Middle
LeeAnne Meyer	Nature's Classroom
Kristen Martinez	Temple Terrace Elementary
Jessica Rutkowski	Mintz Elementary
Sally Smith	Hammond Elementary
Jerry Turner*	York K-8 Innovation Academy

JUDGING COMMITTEE

Ronald Ken Davis	District K-5 Science Academic Coach
Laura Dunn	District K-5 Science Academic Coach
Nicole Jacquay	Supervisor of 6-8 Science
Chris Korte*	Orange Grove Middle Magnet
Amy Singletary*	District 6-8 Science Resource Teacher
Kristen Martinez	Temple Terrace Elementary
Michelle Newton	Lowry Elementary
Leann Rodriguez	Carrollwood K-8 School
Stacy Summers	Maniscalco K-8 School
Nicole Tuminella	K-12 Coordinator for STEM Education
Mitchell Weber	Magnet Lead, Muller Elementary
Michele Wiehagen*	District K-5 Science Resource Teacher

*Chairpersons

AWARDS COMMITTEE

Brian Behrens*	Assistant Principal, Muller Elementary
Sara Berge	Lowry Elementary
Margaret Berridge	District K-12 STEM Resource Teacher
Melissa Bondoc	Summerfield Elementary
Christina Calve	Assistant Principal, Carrollwood K-8
Brittany Long*	Clark Elementary
Amber Mueller	District K-5 Science Academic Coach
Jennifer Smith	Rampello K-8 School
Nicole Tuminella*	K-12 Coordinator for STEM Education
Anita Ventura*	Principal, Lowry Elementary
Jillian Watson	Lowry Elementary
Stacie Watson	Riverhills Magnet Elementary

*Chairpersons

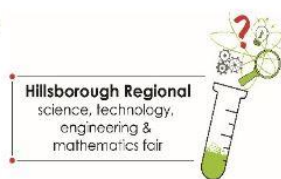
Hillsborough Regional
science, technology,
engineering &
mathematics fair





Hillsborough County
PUBLIC SCHOOLS

Hillsborough Regional STEM FAIR



FRIEND OF THE FAIR

Jessie Oestreich

EdGems Math

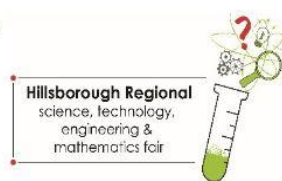
We extend our deepest appreciation to Jessie Oestreich, Operations Project Manager & Curriculum Development Specialist at EdGems Math, for her unwavering dedication and invaluable contributions to both the Math and STEM Departments. Her expertise and commitment are essential to the seamless coordination and success of Hillsborough County's Math Homework Hotline and the Hillsborough Regional STEM Fair. Mrs. Oestreich's tireless efforts have been instrumental in supporting our work, students, and families. It is with great gratitude and admiration that we recognize and congratulate her as this year's...

2025 Friend of the Hillsborough Regional STEM Fair





Hillsborough Regional STEM FAIR



EDUCATORS OF THE FAIR



Kristen Skinner

K-5 Science District Coach

and



Dianne Schroeder

Teacher, Strawberry Crest High School

We thank Ms. Kristen Skinner and Ms. Dianne Schroder for their exceptional contributions to the 2025 Hillsborough Regional Science, Technology, Engineering and Mathematics (STEM) Fair. These dedicated educators have worked tirelessly behind the scenes, supporting staff, teachers, and students to ensure timely project submissions and provide meaningful feedback that enriches the student learning experience.

Their commitment goes beyond administrative tasks—they are instrumental in nurturing our community's next generation of scientists, innovators, engineers, and problem-solvers. Without their passion and diligence, our STEM Fair would not be possible.

We are proud to honor Ms. Skinner and Ms. Schroder as the

***2025 Educators of the
Hillsborough Regional STEM Fair***



Hillsborough Regional STEM FAIR



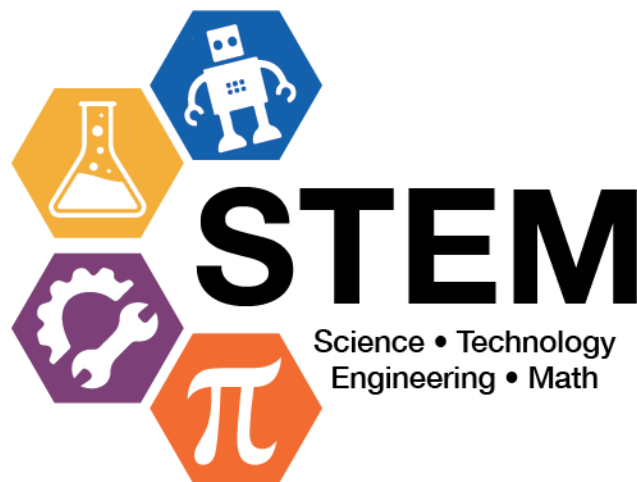
ELEMENTARY SPECIAL AWARDS

Special Award Title	Description
Eureka Moment Award <i>Sponsored by Apollo Academy and ESTEAM Learning Labs</i>	Award given for a project that sparks brilliant innovation.
STEMsational Award <i>Sponsored by Apollo Academy and ESTEAM Learning Labs</i>	Award given celebrating outstanding ingenuity and creativity.
Aha-Venger Award <i>Sponsored by Apollo Academy and ESTEAM Learning Labs</i>	Award given for heroic problem-solving and breakthrough ideas.
The Bright Spark Award <i>Sponsored by Apollo Academy and ESTEAM Learning Labs</i>	Award honoring electrifying creativity and invention.
Out of This Orbit Award <i>Sponsored by Apollo Academy and ESTEAM Learning Labs</i>	Award given for a project that truly goes above and beyond.
Bay Area Manufacturing Association (BAMA) Award	Award given for applicability to manufacturing, project design (well thought out), project results, and project presentation (visual/oral and/or written).
Building Scientists Award <i>Sponsored by Hillsborough Association of Elementary Science Teachers Building Scientists (HAEST)</i>	Awards given to a Kindergarten, 1 st grade, 2 nd grade, and ESE class project that shows how science can be taught in an innovative way in the early grades.

Special Award Title	Description
City of Tampa Water Department “Water” Award	- Award given for a project that promotes water conservation and/or uses drinking water to solve a real-world situation.
Creative and Innovative Design Award <i>Sponsored by Long Memories Photography</i>	- Award given for a unique project that is focused on solving a real-world problem.
Creative Problem-Solving Award <i>Sponsored by The Arnold Family</i>	- Award given for a project that shows the use of creative problem solving in a scientific experiment.
Florida Aquarium Award	- Award given for a project that focuses on our aquatic ecosystems.
Florida Association of Science Teachers (FAST) Award	- Award given for outstanding science research.
Hand2Mind “Save Our Planet” Award	- Award given for a creative way to save our planet and conserve its resources for our future generations.
LEGOLAND Florida Resort Creative Engineering Award	- Award given for using LEGO materials in a creative way to solve a real-world problem.
Lola Simon 33’s STEM Education Award <i>Provided by Lola Simon #33</i>	- Award given to (2) K-2 projects and (2) 3-5 projects showing exemplary Science.
The Problem Solver Award <i>Provided by The Jacobs Family</i>	- Award given to an individual or group project that solves a real world, everyday problem.
Mathematics Award <i>Sponsored by Hillsborough County Teachers of Mathematics (HCTM)</i>	- Award given for a project that applies multiple math concepts beyond data collection and graphing. Project has a direct connection to math concepts.
powerED Award <i>Sponsored by McKinstry</i>	- Award given for the best project with a topic related to Energy Conservation and Environmental Stewardship.

Special Award Title	Description
<p>"PS2" Award</p> <p><i>Sponsored by Teacher Created Materials</i></p>	<p>- Award given for a project that is unique in topic and inspires scientific problem solving.</p>
<p>Savvas Excellence in Science Award</p> <p><i>Sponsored by Savvas Learning Company</i></p>	<p>- Award given for an overall project that shows excellence in their area of science knowledge.</p>
<p>Excellence in Discovery Award</p> <p><i>Sponsored by the Hillsborough County Elementary Science Department</i></p>	<p>- Award given for incorporating science, engineering, and/or technology into real world situations.</p>
<p>The College of Behavioral & Community Sciences at the University of South Florida Sciences Award</p> <p><i>Sponsored by USF Behavioral Sciences Department</i></p>	<p>- This award will be presented to a student or group of students who best demonstrate critical thinking and research excellence in the behavioral and social sciences category. CBCS USF will present this award to a student or group of students who best demonstrate critical thinking and research excellence given to projects that have real-world applications to the safety and well-being for diverse populations and communities in the behavioral science and social sciences category.</p>
<p>The Rachel Stout Memorial Award</p>	<p>- Award recognizing a student that communicates a passion for learning and a resilient spirit. As told from the log, the student had to overcome obstacles and adapt to challenges throughout the project in order to preserve until the end. As a result of hard work and dedication, it is evident that this student truly enjoyed the journey and celebrated the experience and learning gained.</p>

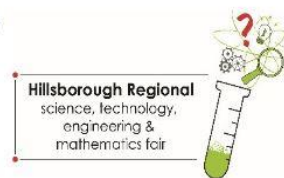
Special Award Title	Description
<p>Science A-Z Remarkable Researcher Award</p> <p><i>Sponsored by Science A-Z</i></p>	<p>Award given to a student or group of students whose project demonstrates excellence in research, showing evidence that they thoroughly researched their topic and have a clear understanding of the outcome of their project.</p>
<p>“Thinking Outside the Box” Award</p> <p><i>Sponsored by Lakeshore Learning</i></p>	<p>Award given for a project that is unique in topic, has real world application, and shows a complete understanding of a concept.</p>
<p>The Top Innovator Award</p> <p><i>Sponsored by The USF Research and Innovation Department</i></p>	<p>Award given for unique, creative, resourceful solutions to relevant and thoughtful problems.</p>
<p>ZooTampa Wildlife Preservation Award</p>	<p>Award given for a project that shows motivation to take action to protect and preserve wildlife and/or explore STEM through innovative experiences.</p>
<p>WAWA Positive Impact Award</p> <p><i>Provided by Wawa</i></p>	<p>Award given for a project that has a positive impact or positive change on others and/or the community.</p>



Hillsborough County
PUBLIC SCHOOLS



Hillsborough Regional STEM FAIR

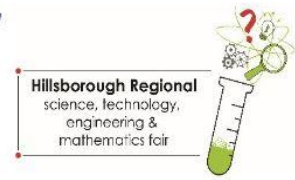


SECONDARY SPECIAL AWARDS

- American Psychological Association
Achievement in Research in Psychological
Science
- Association for Women Geoscientists
Achievement in Research in Psychological
Science Award
- Bay Area Manufacturing Award
- Bristol Myers Squibb Innovation Award
- City of Tampa Water Department Water
Conservation Award
- EdGems 2025 STEM Fair Math Gemmy
Award
- Environmental Protection Commission
Environmental Merit Award
- Florida Association of Science Teachers
Outstanding Research Award
- Florida Aquarium Award
- Florida Inventors Hall of Fame at USF Top
Inventor Award
- Florida Ornithological Society Award
- hand2mind Award
- IXL Excellence in Systems Software
- Lemelson Early Inventor Award
- McGraw-Hill Award
- powerED by McKinstry Award
- NASA Earth System Science Award
- National Geographic Education Junior
Explorer Award
- NOAA Taking the Pulse of the Planet
Award
- Penda Learning Outstanding Scientist
Award
- Regeneron Biomedical Science Award
- Ricoh Sustainable Development Award
- Savvas Learning Excellence in STEM Awards
- Stockholm Junior Water Prize
- TECO STEM Power Award
- The Society for In Vitro Biology Outstanding
Achievement for Ability and Creativity in In
Vitro Biology
- United States Agency for International
Development Science Champion Award
- United States Air Force STEM Award
- United States Metric Association SI Award
- Yale Science and Engineering Association
Outstanding Exhibit in STEM Award
- ZooTampa at Lowry Park Outstanding
Exhibit in STEM Award



Hillsborough Regional STEM FAIR



ELEMENTARY MEMORIAL AWARDS

Guy T. Cacciatore Award

- Award presented to a student who has shown curiosity for science and an understanding of scientific methods used in completing an investigation. Mr. Cacciatore was the district's first elementary science supervisor who promoted hands-on instruction for all elementary students.
-

Sylvia Rosella Award

- Award presented to a student who has shown evidence in their project of "wanting to make the world a better place". Sylvia was an enthusiastic elementary science teacher who always strived to improve the world as she taught her students.
-

Steven J. Fernandez Award

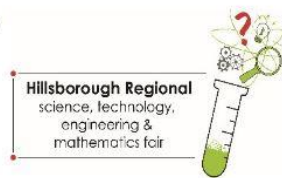
- Award presented to a student that has gone above and beyond outside their schoolwork to complete their STEM fair project. Steve was an elementary science teacher who always went the extra mile for his students. He always worked with the students who needed the most support and got them excited about science through any means necessary.
-

Dan Parravano Memorial Award

- Award given to the project that most exemplifies flexibility, fun, and creativity to make the world a better place to live. Dan Parravano supported Hillsborough County Public Schools in many ways as a representative for Lakeshore Learning. He connected teachers across the district with engaging and innovative teaching resources while going above and beyond to make personal connections with his always positive and happy demeanor.
-



Hillsborough Regional STEM FAIR



SECONDARY MEMORIAL AWARDS

Grace Abbott was an outstanding Physical Science teacher at many area schools including George Washington Junior High. Her unique approach to science teaching inspired her students to develop a keen interest in the application of science to their everyday life.

Carolyn S. Crow was a science teacher at Brandon High School for only a few short years. However, she influenced many young people through her curiosity and enthusiasm for science. She especially loved to challenge the underachieving student. Carolyn Crow had that unique ability to bring out the very best in those students who were fortunate enough to have her as a teacher.

Clara Crumpton taught at Marshall Junior High and had a great love for the natural world. She was also able to educate many young people through her involvement in the Tampa Bay Gem and Minerals Club.

Joan Harris taught Life Science at Blake and Webb Junior High and also served on the Screening Committee for both Regional and State Science Fairs. Her enthusiasm for learning and for her students will long be remembered.

Helen Johnson's career as an Earth Science teacher at Van Buren and McLane Junior High Schools was one of dedication and caring. Her cheerful encouragement and ready smile led her students to a love of science and respect for each other.

Nelda Mason was a Physical Science teacher and department chairman at Van Buren Junior High School and served as the Site Committee chairperson for the Regional Science Fair. Nelda's work with students of all abilities and her dedication to presenting a hands-on science program was truly exemplary.

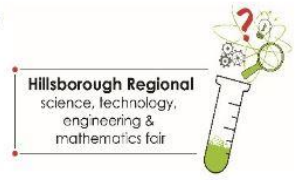
Robert J. Matthews taught Anatomy and Physiology and Ecology at Hillsborough High School for over twenty years. He was very proud of his many students who have become health care professionals and science educators in the Tampa Bay area.

Dr. Carl Riggs contributed greatly to science research and science education in his long career as an ichthyologist, USF administrator, and friend to science and mathematics teachers through grants and professional development programs offered at his Center for Excellence. His support of the Regional Science and Engineering Fairs in the USF Service Area included active mentoring of students and judges training.



Hillsborough County
PUBLIC SCHOOLS

Hillsborough Regional STEM FAIR



Division Projects - Elementary (Grades K-5)

Division Projects

ELEMENTARY

(GRADES K-5)

Project Code	Project Title	School	Teacher(s)
ELEMENTARY DIVISION • CLASS PROJECTS			
• KINDERGARTEN PROJECTS •			
KvcENG01	Tables with Material Organizers	Cannella Dual Language	Karen Arenas, Jennifer Phillips
KvcENG02	Zooming Down	Hunter's Green	Roxanne Coriell
KvcENG03	Cooler Creation	Kingswood	Denise Fuentecilla
KvcENG04	Building a Sweet Escape: Designing a boat for a gingerbread man	Springhead	Allexys Sisouphone
KvcENG05	House Drop Engineering	Valrico Lake Advantage Academy	Cameron Patisaul , Sarah Cain
KvcENG06	House Drop Engineering	Valrico Lake Advantage Academy	Cameron Patisaul , Sarah Cain
KvcENG07	Snap Cube Fidget Spinners	Walden Lake	Elizabeth Dickens
KvcINV01	Reducing the Melting Rate of Ice	Kingswood	Guynette Bryan
KvcINV02	Sunshade	McDonald	Britni Miller
KvcSCI01	What Kind of Materials do Coding Mice Pull with their Magnetic Noses?	Alexander	Shannon Donegan
KvcSCI02	Racing Spheres	Anderson	Sarah Seback
KvcSCI03	In which liquid does a candy cane dissolve the fastest?	Bryan Plant City	Ms. Szczech
KvcSCI04	Bubbles, Bubbles, Bubbles	Bryan Plant City	Ms. Carlson
KvcSCI05	How Drinks Affect Our Teeth	Buckhorn	Jessica Irwin
KvcSCI06	How Can You Stop Apples From Turning Brown?	Buckhorn	Morgan Bulger
KvcSCI07	Which Liquid Grows Plants Best?	Cannella	Cecilia Rodriguez
KvcSCI08	Will the Gingerbread Man Sink or Float?	Carrollwood K-8	Kathy, Maguschak
KvcSCI09	The Great Cookie Debate!	Carrollwood K-8	Candace, Gargagliano
KvcSCI10	Bubble Pop	Chiaromonte	LaChelle Pinkney
KvcSCI11	Which type of salt gives us the brightest colors for painting?	Chiles	Alisha Marsh
KvcSCI12	What color of Skittles is the most common in a family size bag of Skittles?	Chiles	Kaleigh Christiansen
KvcSCI13	Don't Feed the Bears	Cimino	Kerri Pepe, Jan Correll
KvcSCI14	Pop Pop Pop	Claywell	Carey Clinton
KvcSCI15	Now you see me...now you don't!	Cork	Michele Abraham
KvcSCI16	Dissolving Candy Canes	Cork	Ryann Belcher
KvcSCI17	Apple Oxidation	Cypress Creek	Leslie Sison, Marie Garthaus
KvcSCI18	How Much Juice?	Graham	Rosarito Perez-Abreu
KvcSCI19	Do liquids evaporate at the same rate?	Hammond	Becky Kuschmeader

Project Code	Project Title	School	Teacher(s)
KvcSCI20	Inflation Station: Testing Vinegar Types for Maximum Balloon Expansion	Hillsborough Academy of Math and Science	Cynthia King
KvcSCI21	Which Bandage is Waterproof?	Ippolito	Mildred Vinas
KvcSCI22	Apple Seeds and the Color of the Apple	Ippolito	Patricia Ryan
KvcSCI23	Which Container Will Keep Ice Frozen the Longest?	Lake Magdalene	Jessica Sanders
KvcSCI24	How Can We Clean Coins?	Lake Magdalene	Karry Butdorf
KvcSCI25	We Can Float Boats!	Limona	Alissa Restivo
KvcSCI26	Bubble "Strong"	Lomax	Keri Morigaki, Paige Kramar
KvcSCI27	Popcorn Popping Challenge: Which Brand Pops Best?	Lowry	Kerry Coleman
KvcSCI28	When You Have a Job to do Which Glue Stick is the One for You!	Lowry	Lynn White
KvcSCI29	Candy Cane Investigation	Lutz K-8	Lisa Hoffman, Jaclyn Iglesias
KvcSCI30	Color Changing	McDonald	Jennifer Suarez
KvcSCI31	Flying Twirlers	Mintz	Denise Psarras
KvcSCI32	Q-Tip Airplane	Mintz	Shanelle Webb
KvcSCI33	Comparing the Melting Rates of Ice	Muller	Karen Stagg
KvcSCI34	How does the type of liquid affect the dissolving rate of a candy cane stick?	Northwest	Christy Hildebrandt
KvcSCI35	Soda vs. Mentos	Pride	Alyson Gavin
KvcSCI36	Gummy Bears	Pride	Elizabeth Feito, Nicole Cedeno
KvcSCI37	Salt Egg Float	Riverhills	Grace Robinson
KvcSCI38	Biggest Bubble	Roland Park K-8	Kiandra Jennings
KvcSCI39	The Sound of Water	Roland Park K-8	Taylor McFetridge
KvcSCI40	How Far Can It Fly?	Schmidt	Heidi Aviles
KvcSCI41	Dissolving Candy Canes	Schmidt	Hannah Schmitz
KvcSCI42	Candy Cane Chemistry: Which liquid will dissolve a candy cane?	Springhead	Gabrielle Lugo
KvcSCI43	Staying Cool at School	Tampa Palms	Marie Komondy
KvcSCI44	Melting Ice?	Tampa Palms	Mary DiBricida
KvcSCI45	Hasty Baker	Temple Terrace	Meighan Richard
KvcSCI46	Yummy Gummy	Temple Terrace	Maria Ortiz
KvcSCI47	Frozen	Turner Bartels K-8	Omashri Mohammed
KvcSCI48	M & M Sort	Walden Lake	Kelly Shissler, Lynelle Oeasall-Gauld
KvcSCI49	Dissolving Candy Canes	West Shore	Marissa Grayem
KvcSCI50	Measuring Popcorn	Woodbridge	Gabrielle Andre
KvcSCI51	Polar Ice	York Innovation Academy K-8	Kelly Gratt

Project Code	Project Title	School	Teacher(s)
• FIRST GRADE PROJECTS •			
1vcENG01	Balloon Car	Bryan Plant City	Ms. Tirado
1vcENG02	The marshmallow Tower	Cannella Dual Language	Yaritza Aquino-Pabon, Kimberly Anderson
1vcENG03	Saving the Gingerbread Man	Cypress Creek	Lizvette Aviles
1vcENG04	Which shape is the strongest	Knights	Christian Garnelo
1vcENG05	What shape is the strongest for building structures?	Knights	Christian Garnelo
1vcENG06	From Straws to Skyscrapers: Tower Engineering	Knights	Christian Garnelo
1vcENG07	We Need Shade	Lockhart	Brittany Wivholm, Megan McGregor
1vcENG08	We Need a Cover for the Playground	Lockhart	Angela Glover, Megan McGregor
1vcENG09	Mighty Mini Rafts: How Much Can They Hold?	Riverview	Noheli Mere-Rodriguez
1vcENG10	Goldilocks Needs a Bed	Robinson	Yvelis Perez
1vcENG11	Sink or Float: How does boat shape affect weight capacity?	Springhead	Briceida Vera Esparza
1vcENG12	Freddy the Fish	Tinker K-8	Tara Quinn
1vcENG13	Sail Away	York Innovation Academy K-8	Antonio Wright
1vcINV01	Itchy Back-Back Scratcher	Anderson	Angela Zaritsky
1vcINV02	Pass Me the Pencil	Mintz	Leitha Hazelwood
1vcSCI01	Does the Surface a Coding Mouse Travels on Affect it's Movement and Speed?	Alexander	Milad Hussien, Kylie Piche
1vcSCI02	Battle of the Beverages	Ballast Point	Gabriela Orta
1vcSCI03	It's Cold Inside!	Bellamy	Julie Boatright, Wilcia Luna
1vcSCI04	The Mystery of the Missing Cap	Bellamy	Katie Guitar
1vcSCI05	Coming in for a Landing	Bellamy Dual Language	Christina Ross, Omayda Naranjo
1vcSCI06	Will Himalayan Pink Salt require fewer tablespoons than Sea Salt or Iodized Salt to make an egg float in water?	Bryan Plant City	Ms. Ramik
1vcSCI07	Do Normal Oreos Or Golden Oreos Absorb More Milk?	Buckhorn	Bethany Simmons
1vcSCI08	Masking vs. Packing	Cannella	MaryKate Durkin
1vcSCI09	Coolest Cooler Affect!!	Carrollwood K-8	Melinda, Ring
1vcSCI10	Shapetastic!!	Carrollwood K-8	Lynn, Cleary
1vcSCI11	Pop, Pop, Pop It Up!	Chiaromonte	Lindsay DeLavina
1vcSCI12	Cocoa Anyone?	Chiles	Val Mills
1vcSCI13	Bundle Up, It's Chilly Outside	Chiles	Jennifer Messer

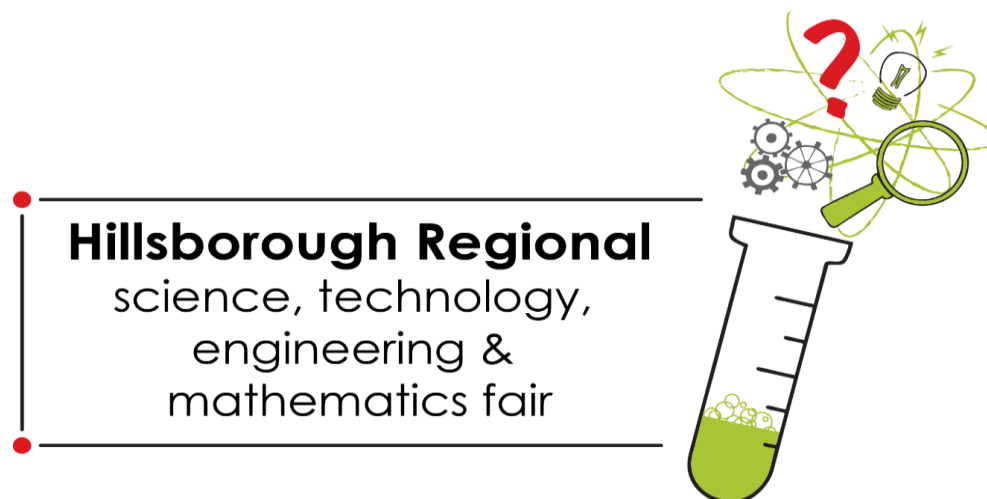
Project Code	Project Title	School	Teacher(s)
1vcSCI14	How does what we drink affect our teeth?	Chiles	Katie Godshall, Kristen Kelley
1vcSCI15	Which cup will keep our hot cocoa the warmest?	Clark	Carrie Donatelli, Lexus Bontrager
1vcSCI16	Which cookie will float the longest in milk?	Clark	Tracy Wood, Laura Jimenez
1vcSCI17	What color Skittle is most common?	Claywell	Kimberly Van Name
1vcSCI18	Which aluminum foil is the strongest?	Claywell	Katherine Decker
1vcSCI19	The Egg Experiment	Collins PK-8	Lia Diaz
1vcSCI20	Dissolving Shells	Cork	April Lay
1vcSCI21	Dissolving Shells Block 2	Cork	April Lay
1vcSCI22	Gravity- Parachutes	Davis	Rosa Santiago
1vcSCI23	Derritiendo Creyones	Dawson Dual Language	Mary Alers, Barr / Jaramillo
1vcSCI24	Soaking Up Science: Which Paper Towel Brand Absorbs the Most?	Forest Hills	Brenna Mezich
1vcSCI25	How Long with It Last?	Graham	Vanessa Irvin
1vcSCI26	The Slime Solution	Heritage	Natalie Boze
1vcSCI27	Invisible Ink	Heritage	Judy Vincent
1vcSCI28	Popcorn Perfection: Which Brand Leaves the Fewest Kernels	Hillsborough Academy of Math and Science	Grace Conklin
1vcSCI29	Candy Cane Surprise	Hunter's Green	Melissa Kellebrew
1vcSCI30	My, My Food Dye	Hunter's Green	Noy Sullivan
1vcSCI31	The Tooth Enamel " Egg-speriment"	Ippolito	Jeffery Edwards
1vcSCI32	Reached for the Stars!	Kingswood	Marla Wenger
1vcSCI33	Which Crayon Brand is the Best?	Lake Magdalene	Alysha Yassim, Kimberly Gant
1vcSCI34	The Best Drink for Our Teeth	Lake Magdalene	Lindsay Levine , Nicole Goletz
1vcSCI35	How Far Will It Go?	Limona	Liza White, All of First Grade Team
1vcSCI36	How Long Can You Bounce	Lomax	Brittany McClendon, Olivia Briggs
1vcSCI37	The True Quicker Picker Upper	Lowry	Rachel Steyer
1vcSCI38	What's Popping?	Lowry	Melody Chestnut
1vcSCI39	Going the Distance	Lutz K-8	Tara Young
1vcSCI40	Candy Cane Chemistry	MacFarlane Park	Caitlyn Moore
1vcSCI41	Super Soggy Showdown - Which paper towel absorbs the most?	MacFarlane Park	Nicole Whittum
1vcSCI42	Growing Gummies	Maniscalco K-8	Erica Sepulveda
1vcSCI43	Pearly Whites	Maniscalco K-8	Bethany Sanchez
1vcSCI44	Browning Apples	McDonald	Stacy Reich
1vcSCI45	Gummy Gummy Bears	McDonald	Kyrsten Mueller

Project Code	Project Title	School	Teacher(s)
1vcSCI46	Taste Perception	Mintz	Lisa Walker
1vcSCI47	Does Surface Affect Motion?	Muller	Sara Wilhelm
1vcSCI48	The Great Gummy Bear Experiment	Oak Grove	Annalise Grimmer
1vcSCI49	Ice, Ice Baby!	Pride	Julia McKernan
1vcSCI50	Floaty Egg	Riverhills	Carmen Ortiz
1vcSCI51	Hungry Hungry Ants	Schmidt	Audrey Gaither
1vcSCI52	Stalk'n Celery	Schmidt	Alecia Campbell
1vcSCI53	Tooth Trouble: Which liquid causes the most tooth damage?	Springhead	Jacelyn Donnell
1vcSCI54	Mentos and Soda	Tampa Palms	Samantha Surdovel
1vcSCI55	Chicken Breath	Temple Terrace	Anita Ruppel
1vcSCI56	Coin Energy	Town and Country	Kathy Champan
1vcSCI57	Water Filter	Turner Bartels K-8	Megan Johnson
1vcSCI58	How does wind speed affect the rpm of an anemometer?	Valrico Lake Advantage Academy	Sarah Cain , Cameron Patisaul
1vcSCI59	M&M Magic	West Shore	Tracey Freitag
1vcSCI60	How Does the Color of the Liquid Affect the Flower?	West Shore	Enid Rosario
1vcSCI61	Candy Cane Experiment	Woodbridge	Vanessa O'Farrill, Angela Enciso
1vcSCI62	Which liquid dissolves the Candy Cane faster?	Woodbridge	Vanessa O'Farrill, Angela Enciso
• SECOND GRADE PROJECTS •			
2vcENG01	Safe Landing	Cypress Creek	Baylie LeMaster, Chloe Campbell
2vcENG02	Paddle Boats: Which can go faster?	Hillsborough Academy of Math and Science	Amari Flowers
2vcENG03	Does the size of the parachute effect the time it takes to land safely?	Kingswood	Lori Van Allen
2vcENG04	Fire the Cannon!	Kingswood	Denis Eves
2vcENG05	Seed Spreader	Lockhart	Denise Duggins, Megan McGregor
2vcENG06	Seed Spreader	Lockhart	Paulette McClain, Megan McGregor
2vcENG07	Parachute Drop!	McDonald	Grisel Fuentes
2vcENG08	Soft Landing	Mintz	Carmen Horton
2vcENG09	The Egg Dropper	Robinson	Jessica Fortner
2vcENG10	Are We "AIR" Yet?	Walden Lake	Wendy Griffis
2vcINV01	"Where's my Pencil?" - Can we Build a Prototype that will Prevent us from Losing our Pencils?	Alexander	Hattie White, Kylie Piche
2vcINV02	Super Trash Picker-Upper	Tinker K-8	Michele Robinette
2vcSCI01	VersaTiles Math vs Legends of Learning Math	Anderson	Maryam Hope, Meg Mallory

Project Code	Project Title	School	Teacher(s)
2vcSCI02	Candy Chemistry	Ballast Point	Deborah Scott
2vcSCI03	How Does Sugar Effect the Time it Takes Ice Cream to Melt?	Bellamy	Ann Berringer
2vcSCI04	Which homemade ice cream melts faster- with or without sugar?	Bellamy	Jocelyn Lugo
2vcSCI05	How to lift an ice cube without touching it or wetting your hands	Bellamy Dual Language	Maria Rodriguez
2vcSCI06	Magnet Magic: Can Magnets Work Through Solids, Liquids, and Gases?	Bryan Plant City	Ms. Peterson
2vcSCI07	Which type of gum blows the biggest bubble?	Bryan Plant City	Ms. Vilhauer
2vcSCI08	Got Spills?	Buckhorn	Michelle Ferrante
2vcSCI09	Jingle Shells	Cannella	Madeline Certa
2vcSCI10	The Battery Debate!	Carrollwood K-8	Debi, Orchard
2vcSCI11	Towel Toughness	Chiaramonte	Hannah Weeren
2vcSCI12	How Does the Type of Liquid Affect How Quickly a Candy Cane Dissolves?	Cimino	Mary Anne Gonsalves
2vcSCI13	Which type of double-sided tape retains its stickiness longest in water?	Clark	Ria Beamer, Laura Kleespies
2vcSCI14	Thump! Thump!	Clark	Maria Hurtado
2vcSCI15	Catch a Bubble!	Claywell	Carissa Sosa, Amanda Frushone
2vcSCI16	Which brand of popcorn leaves the most kernels unpopped?	Claywell	Ashley Sechrist, Kaelyne Carlton
2vcSCI17	Keepin' It Hot	Collins PK-8	Traci Edwards-Ervin
2vcSCI18	Colors of the Rainbow	Colson	Jackie Maclean
2vcSCI19	Storing Popcorn: The Fridge or the Pantry?	Colson	Marybeth McGaha
2vcSCI20	Sticky Air	Cork	Carol Plunk
2vcSCI21	Bath Bombs Away!	Cork	Carly Lingenfelter
2vcSCI22	Parachutes	Davis	Kirsten Koppin
2vcSCI23	Descomposición de la Luz	Dawson Dual Language	Virginia Sande
2vcSCI24	Beary-Trooper	Graham	Natalie Lackey
2vcSCI25	Science Fair Soda Fizz	Hammond	Natasha Jacobs
2vcSCI26	Which brand of paper towel is the most absorbent?	Hammond	Lauren Crane
2vcSCI27	Safely Stick the Landing	Heritage	Jean Josephson
2vcSCI28	What effect does the size of a parachute have on the time it takes for an object to land safely?	Heritage	LaChambra Jackson
2vcSCI29	Berry, Very Sweet	Hunter's Green	Noy Sullivan
2vcSCI30	Dissolving Candy Canes	Hunter's Green	Danielle McGonagle
2vcSCI31	How Does the Temperature of the Water Affect the Time it Takes to Dissolve the Stripe of a Candy Cane?	Lake Magdalene	Amy Broughton

Project Code	Project Title	School	Teacher(s)
2vcSCI32	What Kind of Water is Best for Growing Plants?	Lake Magdalene	Elizabeth More
2vcSCI33	Fizztastic Lava Lamps	Lomax	Rachel Kirby
2vcSCI34	Paper Towel Strength	Lowry	Amy Liguori
2vcSCI35	Magnet Train	Lowry	Jill Watson
2vcSCI36	Dry Me Out: Which Paper Towel Brand is the Ultimate Spill Savior?	Lutz K-8	Tracy Gonzalez
2vcSCI37	Self-Inflating Balloons	Lutz K-8	Melissa Ovitt
2vcSCI38	Cool Science: Which Material Keeps Water Coldest?	MacFarlane Park	Amy Watkins-Price
2vcSCI39	More Water!	McDonald	Kelsey Kaufman
2vcSCI40	"Ball Race"	Mendenhall	Noreen Burke
2vcSCI41	What Type of Paper Will Allow the Plane to Glide the Farthest?	Mintz	Kathleen Burken
2vcSCI42	Growing Borax Crystals on Different Solids	Muller	Kerrie Rose
2vcSCI43	Let's Get Poppin	Oak Grove	Pamela Lienhard
2vcSCI44	Water Bottle Flipping	Pride	Rebekah Jackson
2vcSCI45	Parachutes	Rampello K-8	Keara Darcy
2vcSCI46	Parachute Experiment	Rampello K-8	Keara Darcy
2vcSCI47	Parachute Project 1	Rampello K-8	Yolanda Pelayo
2vcSCI48	Parachute Project 2	Rampello K-8	Yolanda Pelayo
2vcSCI49	Marker Test	Riverhills	Janice Ahnemiller Finney
2vcSCI50	Exploding Corn	Riverview	Christopher Alvarez
2vcSCI51	Soda and Mentos	Robinson	Samantha Tergliafera
2vcSCI52	Shark In-fest-igation	Roland Park K-8	Kim McCormick
2vcSCI53	Grow your own Polar Bear	Roland Park K-8	Grace Berardi, Aimee Fleischmann
2vcSCI54	Ride The Wave	Schmidt	Celesta Grear
2vcSCI55	Ramp It Up!	Schmidt	Leslie Scott
2vcSCI56	Stinky Plant	Shore	Madison Wise
2vcSCI57	Down Parachute	Shore	Brooke Taylor
2vcSCI58	Norman's Nutritional Quest: What vitamin C veggie do guinea pigs like best?	Springhead	Alison Blair
2vcSCI59	Hot Chocolate Showdown: Which brand of cup retains heat the best?	Springhead	Melissa Cruz
2vcSCI60	Poppin' Popcorn	Tampa Palms	Jennifer Guggemos
2vcSCI61	The Sinking Ship	Tampa Palms	Jennifer Guggemos
2vcSCI62	Make Your Own Hot Air Balloon	Temple Terrace	Andrea Sterbutzel
2vcSCI63	Which Materials Can Catch a Bubble?	Temple Terrace	Tiffany Stucken
2vcSCI64	Dissolving Candy Canes	Town and Country	Lauren VanLier

Project Code	Project Title	School	Teacher(s)
2vcSCI65	I'm a gummy bear	Trapnell	Sunshine Ruedeman
2vcSCI66	What's Poppin'?!	Turner Bartels K-8	Alyssia Faedo, Joy Baker
2vcSCI67	How does mass affect how long a paper helicopter flies?	Valrico Lake Advantage Academy	Sarah Cain, Cameron Patisaul
2vcSCI68	Tasty Colors	Walden Lake	Emily Sollmann
2vcSCI69	Metal for Breakfast? "Cereal"-sly?	West Shore	Amanda Jakuboski
2vcSCI70	Which Toothpaste Brand Cleans Best?	Woodbridge	Stacy Rodriguez, Peyton Fleming
2vcSCI71	Which Type of Soil Helps A Lima Bean Grow Best?	York Innovation Academy K-8	Jennifer Visconti
2vcSCI72	Tennis Balls	Cannella Dual Language	Monica Vega, Andrea Fuenmayor
• SPECIAL PROJECTS •			
ESEvCL01	Colors Are Hot!	Buckhorn	Diane Davis
ESEvCL02	How does the type of liquid affect the mass and length of a grow critter?	Chiles	Kathryn Jones
ESEvCL03	How does our garden grow?	Cork	Janet Blair
ESEvCL04	Which is the strongest shape?	Ippolito	Nicole Marques
ESEvCL05	Mass and airplanes	Town and Country	AnnMarie Daley



Location	Project Title	Student(s)	School	Teacher(s)
ELEMENTARY DIVISION • INDIVIDUAL PROJECTS • THIRD GRADE				
• BEHAVIORAL SCIENCE •				
3fiBSC01	Trash Tax: Does it Matter?	Logan de Silva	Chiles	Shannah de Silva
3viBSC01	Folding Laundry	Amani Le	Cimino	Kara Marra, Jan Correll
3viBSC02	The Project	Brynn Sullivan-Scott	Fishhawk Creek	Kelly Connor
3viBSC03	Melt It	Jax Geary	McDonald	Makeisha Wiggins
3viBSC04	Workout and Remember	Sunny Polk	McDonald	Tanika Flemming
• EARTH SPACE SCIENCE •				
3fiESS01	Without a Shadow of a Doubt	Reya Patel-Brown	Adum K-8	Gabrielle Downey
• ENGINEERING •				
3fiENG01	Marble Matter	Paula Amaya Acosta	Ballast Point	Tina Moradiellos
3fiENG02	"Drop Zone: Engineering the Perfect Egg Shield"	Samaun Jackson	Dunbar	Ali Beekhuizen
3fiENG03	Light It Up in Reality	Arabella Fonseca	Lewis	Karen Hartman
3fiENG04	Solar Powered Grasshopper	Samuel Velasco	Valrico Lake Advantage Academy	Sarah Cain, Cameron Patisaul
3fiENG05	Comparing Three Finger Robot Hands with Different Tendons	Isabella Resto	Valrico Lake Advantage Academy	Cameron Patisaul, Sarah Cain
3viENG01	A Place For Trash	Callie Harman	Cimino	Kara Marra, Jan Correll
3viENG02	Boats and Barges	Kaleah Scheer	Hillsborough Academy of Math and Science	Mikayla McShane
3viENG03	The Pulley System	Veronica Santiago	Riverview	Annette Coffey
3viENG04	Marble Run	Aria D'Onofrio	Riverview	Annette Coffey
3viENG05	Can a Cardboard House Survive Water?	Andrea Marin Gomez	Sessums	Kylee Taylor
3viENG06	Thirsty No More: Engineering a self-watering planter.	Angelica Quinones	Springhead	Terri Languille
3viENG07	Ballroon Powered Car	Domonic Valentine	Valrico Lake Advantage Academy	Sarah Cain, Cameron Patisaul

Location	Project Title	Student(s)	School	Teacher(s)
• INVENTIONS •				
3fiINV01	Crab Claws	Sebastian Smith	Anderson	Maryam Hope
3fiINV02	Grab & Go Dragons	Adeline Smith	Anderson	Maryam Hope
3viINV01	Water Filtration	Jasmin Saha	Hunter's Green	Cami Yow
• LIFE SCIENCE •				
3fiLSC01	The Tardigrade: Tiny but Mighty	Diego Goncalves	Bryant	Pamela Corkery
3fiLSC02	What type of water is best for plants?	Amelia Amabile-Hanchey	Collins PK-8	Monica Brown
3fiLSC03	Strawberries	Claire Wallace	Fishhawk Creek	Elizabeth Sanchez
3fiLSC04	What Light Does to Plants	Kennedy Carpenter	Gorrie	Suzanne Watson
3fiLSC05	Fluffy Flapjacks	Genesis Robinson	Kid's Community College South	Kelsey Hill, Charis Daerr
3fiLSC06	Growing Gummy Bear	Jan Marin Sastre	Kid's Community College South	Madison Rowland, Charis Daerr
3fiLSC07	What affect does the amount of water have on plant growth?	Ariyah James	Lewis	Karen Hartman
3fiLSC08	Lightning Fast Plant Growth	Rose Osovitz	MacFarlane Park	Daniela Moreno-Botero
3fiLSC09	Choice of Recycled Paper Product influences rye grass sprout rate when making paper seed	Marlow Webb	Sunlake Academy of Math and Science	Angela Dekkan
3viLSC01	No Cavities Allowed!	Grace Mallalieu	Buckhorn	Carol Stewart
3viLSC02	Baked or Fried Potato Chips: Which has less fat?	Kairi Vargas	Cannella Dual Language	Kimberly Duran, Diana Serrato
3viLSC03	Liquid Life	Melissa Corderro	Oak Grove	Dawn Ingersoll
• MATH, COMPUTERS, CODING •				
3fiMCC01	Quarterback Sneak	Judah Simpson	Bible Truth	P Leslie
3fiMCC02	The Rubix Algorithm: Solving a Side Based on Learning Style	Cheney Liu	Chiles	Shannah de Silva
• PHYSICAL SCIENCE - ENERGY •				
3fiPSE01	Magnetic Momentum, Hot or Not?	Dylan Bose	Bryant	Pamela Corkery
3fiPSE02	How Does the Height of a Ramp Affect a Car?	Alexa Trevethan	Citrus Park	Deborah Stephenson

Location	Project Title	Student(s)	School	Teacher(s)
3fiPSE03	Sport Drink Electrolytes	Anjali Tadicherla	Clark	Lori Mueller
3fiPSE04	Ornament Durability	Amiya Lemons	Dawson	Valeria Lucio
3fiPSE05	Chews the Right Gum	Joseph Mohler	Fishhawk Creek	Katy Everhart
3fiPSE06	Cars Force	Eviana Kantor	Gorrie	Mary Hall Chambers
3fiPSE07	The Science of Steam: Understanding Thermodynamics in Action	Alden Oberley	Hillsborough Academy of Math and Science	Mikayla McShane
3fiPSE08	How does the temperature of different liquids change over time?	Adaryl Davis	Lewis	Abigail Calderon
3fiPSE09	En-GAUGE-ing Electricity!	Helder DaConceicao	Lutz K-8	Tara Young
3fiPSE10	Slap Shot Science: Testing the Fastest Stick	Grayson Hicks	McKitrick	Trudy Bedessem
3fiPSE11	Time to Boil	Adelaide Williams	Mitchell	Dana Clements
3fiPSE12	How hot is it?	Garrison Godsey	Mitchell	Dana Clements
3fiPSE13	Windmill Power	Aarav Pandit	Pride	Holly Holderman
3fiPSE14	Solar powered water filtration	Agastya Kothandaraman	Stowers	Ms. Horner, Ms. Gruber
3fiPSE15	Tropical Biogas: Natural Gas from banana and orange peels	Adam Taranoff	Sunlake Academy of Math and Science	Angela Dekkan
3fiPSE16	Paper Airplane Madness	Mikael Pasha	Tampa Palms	Cindy Israel
3viPSE01	Carnival Craze: Carnival Game Scams Revealed	Brooke Kelley	Chiles	Shannah de Silva
3viPSE02	Guitar Strings	Luka Silva-Bordenave	Fishhawk Creek	Elizabeth Sanchez
3viPSE03	Will the Wheelchair Get Wet?	Hudson Head	Gorrie	Jennifer Sirois
3viPSE04	Batter Up!	Jovanni Otero	Hillsborough Academy of Math and Science	Brianna Ferguson, Sara Coombs
3viPSE05	Popsicle Versus Clay House	Emmanuel Espina	Ippolito	Melanie Parrish

Location	Project Title	Student(s)	School	Teacher(s)
3viPSE06	It's Electrifying!	Tucker Dietz	Lutz K-8	Tara Young
3viPSE07	Cool Down! Beat the Heat	Tobi Takemori	MacFarlane Park	Daniela Moreno-Botero
3viPSE08	The Need for Speed	Miguel Pachuta	McKitrick	Melissa Prentiss
3viPSE09	Hot to the Last Drop: Cup Heat Wars	Joanna Varghese	McKitrick	Angela Baker
3viPSE10	Perfect Passe: Pirouette Physics	Taylor Gavin	Pride	Kristen LaBella
3viPSE11	The Farthest Fore!	Giselle Permanente	Pride	Lauren Phillips
3viPSE12	The Honest Fishing Line	Bryson Jenkins	Robinson	Erica Dominguez
3viPSE13	Rolling to Victory: Exploring the best roller coaster shape for maximum distance.	Jay Jones	Springhead	Jessica Grande
3viPSE14	What is the Best Type of Football Glove?	Juelz Wade	Temple Terrace	Elizabeth Hemrich, Sally Latson
3viPSE15	Cars	Ashdiel Feliciano Mora	Town and Country	Mary (Lisa) Perez
3viPSE16	Learning about the effects of Friction	Arian Perez	Town and Country	Nicole Angelo
• PHYSICAL SCIENCE - MATTER •				
3fiPSM01	How Does Paper Towel Brand Affect Strength?	Leah Jimenez	Citrus Park	Deborah Stephenson
3fiPSM02	Hand Soap Cleanliness	Jackson Kuntzi	Dawson	Valeria Lucio
3fiPSM03	Does water temperature affect how fast it evaporates?	Olivia Dziedzic	Hammond	Kit Ackermann, Kelley Carrero
3fiPSM04	Which paper towel brands absorb the most liquid?	Charlotte Raposa	Hammond	Sally Smith
3fiPSM05	How does the design of the boat affect how much weight it can hold?	Sebastian Martinez	Heritage	Monica Mukherjee
3fiPSM06	Brew Time Battle	Alfredo Caballero	Hillsborough Academy of Math and Science	Mikayla McShane
3fiPSM07	Does adding salt affect the size of a water bead?	John Kinsella	Lake Magdalene	Audra Moody
3fiPSM08	Does putting a lid on a container affect the size a water bead will grow?	Harper Gage	Lake Magdalene	Audra Moody

Location	Project Title	Student(s)	School	Teacher(s)
3fiPSM09	Best Catch!	Regan Ericsson	Lutz K-8	Tara Young
3fiPSM10	Ice Time!	Hrdha Krishna	MacFarlane Park	Daniela Moreno Botero
3fiPSM11	Soak It Up	Sarah DeGuzman	McKitrick	Melissa Prentiss
3fiPSM12	Ice Cream Science	Adriana Borzelli	Pride	Lucy Kovach
3fiPSM13	Sun Smarts for JDM Testing Our Best Defenses	Marlowe Doherty	Roland Park K-8	Lara Ward
3fiPSM14	The Paper Towel Showdown	Elijah "Eli" Decker	Stowers	Molly O'Meara
3fiPSM15	Candy Chromatography	Olivia Proux	Stowers	William Dodd
3fiPSM16	Defying Buoyancy	Ethan Bernhardt	Tampa Palms	Cindy Israel
3fiPSM17	What Liquid will Cause Food Color to Adhere to Egg Shells?	Brynn Jeffers	Tinker K-8	GayLee Mendenhall
3fiPSM18	Bubble Pop	Mylani Douangmychit	Turner Bartels K-8	Karen Collier
3fiPSM19	The Affects of Salt	Manfred Anderson	Turner Bartels K-8	Derya Simon
3fiPSM20	Air Resistance	Maryn Mitchum	Valrico	Mandy Lorentzen
3fiPSM21	Ice Ice Baby	Adalynn Swartz	Valrico	Milagros Coffey
3viPSM01	Grow, Gummy, Grow!	Lilliana Siglers	Buckhorn	Carol Stewart
3viPSM02	Noise Out: Preventing Sound Transmission	Ryan Tuffaha	Chiles	Shannah de Silva
3viPSM03	Time Boiling Water	Edward "Teddy" Christy	Gorrie	Jennifer Sirois
3viPSM04	Which toothpaste will remove the stains the best?	Alexa Luce	Heritage	Evilee Redmon
3viPSM05	Elephant Toothpaste	Derrick Bethe	Ippolito	Melanie Parrish
3viPSM06	Oh 'Chute, I'm Falling!	Rhett Cunningham-Presnell	Lutz K-8	Tara Young
3viPSM07	Pan Power! How Fast Can an Egg Cook in Different Pans?	Atlas Leinhauser	MacFarlane Park	Daniela Moreno-Botero
3viPSM08	Which flavor of gum lasts the longest?	Dhiya Emerson Deepak	Tampa Palms	Katie King
3viPSM09	Icky Apples	Evelyn Poetter	Tampa Palms	Cindy Israel
3viPSM10	Iron in Cereal	Rosalie Darner	Valrico	Cassie Kubler, Nina Scaglione

Location	Project Title	Student(s)	School	Teacher(s)
3viPSM11	Let the Stickiest Win	Trey McLafferty	Valrico	Milagros Coffey
3viPSM12	Which Material Will Catch a Bubble?	Lorelai Hewitt	Valrico Lake Advantage Academy	Sarah Cain

ELEMENTARY DIVISION • INDIVIDUAL PROJECTS • FOURTH GRADE

• BEHAVIORAL SCIENCE •

4fiBSC01	Potato's Favorite Treat	Madeline Garrow	Anderson	Maryam Hope
4fiBSC02	Timing My Reading: When Do I Read Fastest?	Maryam Tasali	Ballast Point	Maria Alou
4fiBSC03	What Type Are You? (Do Fonts Matter?)	Vivi Liu	Carrollwood Day School	Lana Vargo, Stephanie Rodriguez
4fiBSC04	Mystery Object	Ava Armstrong	Citrus Park	Taryn Mount
4fiBSC05	Abby's Favorite Food	Jackson Fernandez	Claywell	Jennifer Versaggi
4fiBSC06	How a Person's Environment Effects Their Focus	Helena Graham	Lithia Springs	Shannon Carter
4viBSC01	Lunchroom Loudness: Which day in the lower school lunchroom is the loudest?	Camryn Smith	Cambridge Christian School	Abigail Orlando
4viBSC02	Does the Type of Music Affect Your Heartrate?	Uzochi Duru	Carrollwood K-8	Anna, Melgaard
4viBSC03	What is the Class's Most Popular Stuffed Animal?	Zachary Montes	Colson	Laura Long-Greatorex
4viBSC04	The Great Maze Race: Does Age influence completion time?	Layla Calabrese	Springhead	Jamie Pebbles

• EARTH SPACE SCIENCE •

4fiESS01	A Step Towards Cleaner Water	Naina Friedhoff	Corbett Preparatory School	Gery Morey
4fiESS02	Different soils absorbing water	Claire Patterson	Fishhawk Creek	Barbara Tucker
4fiESS03	Seasoning vs The Ants	Beau Gravitt	MacFarlane Park	Ellen Stromquist
4fiESS04	Whether it will Weather	Nathan Leon	Reddick	Lynn Sweeney-Williamson
4fiESS05	Which Soil is Best?	John Queram	York Innovation Academy K-8	Kelley Kudia
4viESS01	How does the angle of flaps affect how far a paper plane flies?	Adam Sharif	Chiles	Denise Mcilwaine

Location	Project Title	Student(s)	School	Teacher(s)
4viESS02	Rotting Strawberries	Kallie Seabaugh	Cimino	Jan Correll, Kimberly Palmer
4viESS03	Impacting and Preventing Erosion	Charlene Florea	Fishhawk Creek	Barbara Tucker
4viESS04	Wind Warriors	Lily Brown	Lutz K-8	Tara Young
• ENGINEERING •				
4fiENG01	Top Airfoil: How does the shape of a wing impact the amount of weight it can lift?	Fitz Porter	Cambridge Christian School	Abigail Orlando
4fiENG02	Electrical Dance	Kylie Elkin	Clark	Ronit Elkin
4fiENG03	Defying Ga-Litter	Ellie Cooper	Grady	Melissa Carl, Kathleen Webber
4fiENG04	Raise the Roof (and the rest of the house)! Saving Homes with Hydraulics	Yesha Felarca	Hunter's Green	Susan Vanmeter
4fiENG05	The Bird Prism	Alitzel Quipo	Limona	Carmen Brushwood, Danielle Acosta
4fiENG06	Plant Protector 3000	Vance Reid	Limona	Carmen Brushwood
4fiENG07	Plant Life	Eshan Aglave	Lincoln	Ashonti Copeland , Cathy Townsend
4fiENG08	More Drag	Noah Avery	Lithia Springs	Shannon Carter
4fiENG09	Grip Stick Fun	Mckenna Maniscalco	MacFarlane Park	Leila Kanzer
4fiENG10	The Gravity of Black Holes	Francesca Mauriello	McKitrick	Kathleen Ciccarello
4fiENG11	You Really Need Hydroelectricity!	Naimish Kongala	Pride	Maile Pettit
4fiENG12	The Maglev Train	Edward Julian	Valrico Lake Advantage Academy	Sarah Cain, Cameron Patisaul
4fiENG13	No More Bottle Spills	Isabel Parrilla	York Innovation Academy K-8	Laura Jones
4viENG01	Solution that Shines: An eco-friendly Grout Cleaner	Maxwell Haughawout	Hunter's Green	Susan Vanmeter
4viENG02	Bunny Car 2000	Micah Byrn	Limona	Carmen Brushwood

Location	Project Title	Student(s)	School	Teacher(s)
4viENG03	Toy Scooper Fun	Autumn Risner	Limona	Carmen Brushwood
4viENG04	Get a Grip! Engineering a Better Golf Handle	Ellington Dixon-Young	MacFarlane Park	Leila Kanzer
4viENG05	Reduce Your Carbon Footprint	Jordynn Reichbach	McKitrick	Kathleen Ciccarello
4viENG06	Flood Barrier	Madeleine Stamm	Mitchell	Gayle Lambert
4viENG07	Simple Electric Motor	Aarav Brid	Valrico Lake Advantage Academy	Cameron Patisaul, Sarah Cain

• INVENTIONS •

4fiINV01	Builder Box	Finnja Jironsek	Anderson	Maryam Hope
4fiINV02	Debris Robot	Aidan Slattery	Corbett Preparatory School	Gery Morey
4fiINV03	Sanitizing Slime	Zoe Kidd	Hunter's Green	Cami Yow
4fiINV04	Making a Better Bubble	Nylah Jacobs	Kid's Community College South	Lakendra Joy, Charis Daerr
4fiINV05	Debrivator	Evelyn Hill	Pride	Crystal Camerino
4fiINV06	Book Nook	Hayden Wilbur	Turner Bartels K-8	Anthony Short
4viINV01	Indestructible Dog Toy	Adelaide Pope	Cimino	Jan Correll, Kimberly Palmer
4viINV02	Coding a Lego Maze	Raeha Jangle	Clark	Ronit Elkin
4viINV03	The Wall Glider	Cameron Boone	York Innovation Academy K-8	Kelley Kudia

• LIFE SCIENCE •

4fiLSC01	How does the wrinkliness of fingers affect their grip on different surfaces?	Lisa Littlefield	Chiles	Denise Mcilwaine
4fiLSC02	Which material is most effective at preventing beach erosion?	Declan Shirey	Clark	Ronit Elkin
4fiLSC03	Germ	Brady Zalva	Collins PK-8	Christine McDonald, Meghan Mullaney
4fiLSC04	What Atmosphere Do Plants Need to Live In?	Remy Przywara	Colson	Kristine Tanner

Location	Project Title	Student(s)	School	Teacher(s)
4fiLSC05	Rainbow Plants	Tien Vinh Nguyen	Fishhawk Creek	Barbara Tucker
4fiLSC06	What type of water helps radishes grow best?	Aria Patterson	Hammond	Melissa Spafford, Melissa Lowe
4fiLSC07	What daily used objects contain the most bacteria?	Marcus Rivera	Hammond	Christina Pagliuca
4fiLSC08	Bean Boost: Testing Growth with Various Liquids	Kendra Abrera	Hillsborough Academy of Math and Science	Joey Savastano, Jessica Lamb
4fiLSC09	How does the type of environment affect plant of microgreens?	Ella Thanasides	Northwest	Lavern McNeil
4fiLSC10	All's Well that Ends Swell(ing)	Robert McCarthy	Sunlake Academy of Math and Science	Kristen O'Conner
4fiLSC11	Protecting Turtles	Alice Cranmer	Temple Terrace	Emma Stallwood
4fiLSC12	Effects of a Rain Garden on Storm Run Off	Keanue Williams	Valrico Lake Advantage Academy	Cameon Patisaul , Sarah Cain
4viLSC01	Which homemade water filtration system works best to improve PH balance?	Preston Reid	Clark	Jaclyn Johnson
4viLSC02	Flower Growth	Analisa Pugh	Claywell	Jennifer Versaggi
4viLSC03	Do You Lose Your Hearing When You Grow Up?	Kahealani Robinson	Colson	Kristine Tanner
4viLSC04	How do different types of light affect plant growth?	Maximiliano Rojas	Hammond	Christina Pagliuca
4viLSC05	Leaf Life	Han Le	Hillsborough Academy of Math and Science	Joey Savastano, Jessica Lamb
4viLSC06	Plant Power? Does Talking to Plants Affect Thier Growth?	Mila Raynor	Ippolito	Lisa Hoban
4viLSC07	Growing Beans	Caitlin Barthel	Mitchell	Gayle Lambert
4viLSC08	How do different acro moves affect your heart rate?	Peyton Long	Northwest	Joanna Johnson

Location	Project Title	Student(s)	School	Teacher(s)
• MATH, COMPUTERS, CODING •				
4fiMCC01	How does changing the number of Alka-Seltzer tablets in a balloon affect its circumference?	Genevieve Allender	Lewis	Christian Simmons
4viMCC01	Soccersaurus	Landon Jinks	York Innovation Academy K-8	Kelley Kudia
• PHYSICAL SCIENCE - ENERGY •				
4fiPSE01	Galvanic Cell	Layan Hamed	American Youth Academy	Dina Abdin
4fiPSE02	Battle of the Fabrics!	Olivia King	Ballast Point	Maria Alou
4fiPSE03	Frozen Magnets	Arianna Gomez	Belmont	K. Lawrence
4fiPSE04	Which Brand of Water Bottle Keeps Water the Coolest?	Oliver Nichol	Bryant	Marcie Matthews
4fiPSE05	Discovering the Peak Time for Solar Power	Kinley Skarshinski Fred	Bryant	Marcie Matthews
4fiPSE06	Ramp It Up	Jackson Allen	Buckhorn	Kristin Holt
4fiPSE07	Achieving a MASSive Hit: Does the mass of a golf ball when accelerated affect how far it travels?	Preston McEachern	Cambridge Christian School	Abigail Orlando
4fiPSE08	Electromagnets Are Powerful	Lucas Ridgeway	Carrollwood Day School	Lana Vargo, Stephanie Rodriguez
4fiPSE09	Does the Type of Toy Car Affect How Fast It Will Travel Down a Ramp?	Thiago Perez	Carrollwood K-8	Anna, Melgaard
4fiPSE10	Mass Racer	Analise Garcia	Chiaromonte	Laura Mercer
4fiPSE11	Gears and Their Rotation	Viktoriia Osipova	Chiles	Denise Mcilwaine
4fiPSE12	Heating Up the Colors	Matthew Carroll	Cimino	Jan Correll, Kimberly Palmer
4fiPSE13	Cool Conductors	Emmy Wells	Claywell	Jennifer Versaggi
4fiPSE14	Citrus Power: Generating Electricity with Lemons	Paloma Benitez	Hillsborough Academy of Math and Science	Anya Muyres, Ashley deLima
4fiPSE15	Tornado in the Bottle	Ava Lopez	Kid's Community College South	Lakendra Joy, Charis Daerr

Location	Project Title	Student(s)	School	Teacher(s)
4fiPSE16	Styrofoam Versus Bubble Wrap	Jaashith Saravanan	Lomax	Rochelle Major
4fiPSE17	Let's Get Bouncing!	Valentina Montoya	Lowry	Graham Lockwood
4fiPSE18	Up, Up and Away!	Isabella Muniz	Lowry	Leann Rodriguez
4fiPSE19	Faster, Faster, Faster!	Wyatt Caron	Lutz K-8	Tara Young
4fiPSE20	Cool Car	Alex Cox	Maniscalco K-8	Jennifer Cox
4fiPSE21	Dimmer Time!	Julia Tom	McKitrick	Taneel Ziegler
4fiPSE22	Evaporation Extravaganza	Hudson Holland	Mitchell	Gayle Lambert
4fiPSE23	Puck vs. Ball: Speed Showdown	Asher Flack	Riverhills	Sofia Bove
4fiPSE24	The Electromagnetic Project	Milo Grupman	Roland Park K-8	Lindsay Lukehart
4fiPSE25	Air Pressure	Leo Clark	Roosevelt	Ellsworth Johnson
4fiPSE26	Moving Paper	Kaidon Dennis	Schmidt	Crystal Batista
4fiPSE27	Paper Go	Daniel Reyez	Schmidt	Crystal Batista
4fiPSE28	Fizz Boom Fly	Akshaya Gattupally	Stowers	Lisa Williams
4fiPSE29	Battle of the Baseballs	Kysen Heathcott	Tampa Palms	Stephanie Feeney
4fiPSE30	What's Popping?	Layla Strahm	Turner Bartels K-8	Katherine Powell
4fiPSE31	Hydropower	Malik Awwad	Universal Academy of Florida	Ezdihar Hussein , Abdallah Elalami
4viPSE01	The Race	Liam Moran	Adum K-8	Rachel Mannion
4viPSE02	Launching Rockets	Elise Pena	Adum K-8	Rachel Mannion
4viPSE03	The Chocolate Melting Match	Benjamin Hackney	Claywell	Rebekah Howard
4viPSE04	How does the type of tire material affect the speed of a car?	Ava Cruz	Heritage	Dan Sturlaugson
4viPSE05	Breaking Down the Breakdown: Organic vs. Inorganic Decomposition	Isabella Chirino	Hillsborough Academy of Math and Science	Anya Muyres, Ashley deLima

Location	Project Title	Student(s)	School	Teacher(s)
4viPSE06	Rough Roads Ahead!	Oliver Wilson	Lutz K-8	Tara Young
4viPSE07	Rolling Toward Speed: How Surface Types Affect Speed	Sophia Lopez Soto	MacFarlane Park	Rasheedah Chatman
4viPSE08	It's Electrifying!	Akhil Konduru	McDonald	Alexis Schroeder
4viPSE09	Current Circus	Leah Jordan	McDonald	Alexis Schroeder
4viPSE10	Light Bright	Shanaya Makhecha	McKitrick	Carey Orihuela
4viPSE11	Speed	Rosa Castellanos	Mintz	Amy Aubin
4viPSE12	Best Boiled Egg Test	Amy Zhang	Pride	Maile Pettit
4viPSE13	Sensitive Much?	William Gomer	Springhead	Lisa Jones
4viPSE14	How does the type of fruit/vegetable affect the amount of electricity it generates?	Ishal Hossain	Tampa Palms	Sue Weinstein
4viPSE15	Going the Distance	Carson Pulcifer	Valrico	Bradley Jackson, Stacie Hall
4viPSE16	Energy on Wheels	Peneople Olmstead	Valrico Lake Advantage Academy	Sarah Cain , Cameron Patisaul

• PHYSICAL SCIENCE - MATTER •

4fiPSM01	Transformative Toothpaste	Ellie Gordon	Adum K-8	Rachel Mannion
4fiPSM02	"Rotten Teeth"	Amara Kantaria	Adum K-8	Kendra Maldonado
4fiPSM03	Where's the water?	Mayhewstherline Jn Louis	Bible Truth	P Leslie
4fiPSM04	Does it Rust?	Kayden Dominguez	Bryan Plant City	Ms. Wallace
4fiPSM05	Let's Get Poppin	Claire Kinney	Buckhorn	Kristin Holt
4fiPSM06	Ice Melters	Lucy Pulliam	Citrus Park	Mount
4fiPSM07	Cleaner Water	Brayden Jamell	Collins PK-8	Meghan Mullaney
4fiPSM08	Pen-Ultimate Performance	Pearl Hayden	Dawson	Isabel Lera
4fiPSM09	How 'bout those rotting apples?	Ryan Bradley	Gorrie	Javier Berrios
4fiPSM10	Who's Got the Flavor?	Lorea Hanna	Heritage	Deborah Green

Location	Project Title	Student(s)	School	Teacher(s)
4fiPSM11	What's Popping?	Gianluca Combina	Heritage	Deborah Green
4fiPSM12	How does the material of a boat affect the amount of marbles the boat can hold?	Abdalrhman Elnagar	Lewis	Christian Simmons
4fiPSM13	Shape for Success	Grayson Raposa	Lutz K-8	Tara Young
4fiPSM14	Parachuting 2.0	Kathryn Schroeder	Mitchell	Gayle Lambert
4fiPSM15	How Salty Does the Water have to be for an Egg to Float?	Laszlo Jakab	Muller	Malaya Parhams
4fiPSM16	How does the type of paper affect how quickly it tears after being soaked in water?	Quinn Vo	Northwest	Lavern McNeil
4fiPSM17	Is it too Cold for Magnetism?	Scarlett Morfin	Reddick	Lynn Sweeney-Williamson
4fiPSM18	Blasting Bubbles	Nadav Bergman	Roland Park K-8	Tabitha Everitt
4fiPSM19	Soda Fizz	Camden Mirabal	Roosevelt	Charles Lowry
4fiPSM20	Makeup Helper	Addison Pici	Stowers	Bernadine "Dina" Mccullough
4fiPSM21	Sheet Rock Protection	Calidonia Schmid	Sunlake Academy of Math and Science	Kristen O'Conner
4fiPSM22	How does the type of salt affect how fast ice melts?	Jaela Gore	Tampa Palms	Sue Weinstein
4fiPSM23	Which Absorbs Best?	Zoey Comer	Valrico	Bradley Jackson, Ashley Smith
4fiPSM24	Cooking Spoon Buddies	Henry Tanner	Valrico	Kelly Brocato, Stacie Hall
4viPSM01	Candy Rocks	Juliet Blair	Buckhorn	Kristin Holt
4viPSM02	Rise of the Starter: How does temperature affect the rise of a sourdough starter?	Ellie Stark	Cambridge Christian School	Abigail Orlando
4viPSM03	How does the temperature affect the acidity of yogurt?	Rafia Sana	Chiles	Denise Mcilwaine
4viPSM04	Dissolving Bath Bombs	Reagan Johnson	Fishhawk Creek	Barbara Tucker
4viPSM05	Kernel Countdown: Which Popcorn Pops the Fastest?	Angelina Valencia	Gorrie	Javier Berrios

Location	Project Title	Student(s)	School	Teacher(s)
4viPSM06	Do additives affect the time required for water to freeze?	Ryan Hinsberg	Hammond	Melissa Spafford
4viPSM07	The Tap Water You Don't Know	Joseph Koshy	Hunter's Green	Cami Yow
4viPSM08	How does temperature affect a magnet?	Jyair Long	Kingswood	Celeste DeBose
4viPSM09	Does the color of a beverage affect its taste?	Jane. Myers and Gabriel Poveda	Lanier	Melissa Chiaramonte
4viPSM10	Bendy Bones	Sonia Boussari	Lowry	Sara Berge
4viPSM11	The Big Egg Drop...not Soup: An Investigation on Which Material Offers the Most Protection to School Lunch Eggs	Julian Trejos	Mendenhall	Mrs. Veronica Kirchheimer
4viPSM12	How Many Marbles?	Jeronimo Rosales	Mintz	Amy Aubin
4viPSM13	Dry vs. Wet Chalk	Anya Lockhart	Pride	Crystal Camerino
4viPSM14	Does the weight of a car affect how far it can go?	Sahasra Vookanti	Tampa Palms	Sue Weinstein
4viPSM15	Cool It	Paizly Carlisle	Walden Lake	Paul Coletti, Leslie Wendt

ELEMENTARY DIVISION • INDIVIDUAL PROJECTS • FIFTH GRADE

• BEHAVIORAL SCIENCE •

5fiBSC01	Does Reading Aloud Improve your Memory while Studying?	Izabelle Nunez	Alexander	Erika Rivera
5fiBSC02	The Purr-fect Playtime: Testing Cat Toy Engagement	Blakely Swinson	Ballast Point	Michela Guariniello
5fiBSC03	Disruptive Distractions - An Investigation into the Effects of Noise Distraction on Hand-Eye Coordination Activities	Henry Newsome	Bevis	Circe MacDonald
5fiBSC04	Memories	Prentiss Heatherly	Dawson	Alicia Jones
5fiBSC05	From Paper to Play: Analyzing How Teaching Tools Affect Scores	Kethana Senthikumar	Deer Park	Tina Pipp
5fiBSC06	Feeding Magic	Sanskriti Karapakula	Fishhawk Creek	Barbara Tucker
5fiBSC07	Diving the Distance	Victoria Sanchez-Chagollan	MacFarlane Park	Catherine Jones
5viBSC01	Best Blush	Olivia Campo	Cimino	Kimberly Palmer, Madison Bird

Location	Project Title	Student(s)	School	Teacher(s)
5viBSC02	Inside, Outside, and in Between: Testing Kids on Their Memory.	Olivia Fry	Deer Park	Tina Pipp
5viBSC03	Running	Andreas Washington	Maniscalco K-8	Andreas Washington
5viBSC04	Bullseye	Kamari Appleton	Mintz	Nikki Velez
5viBSC05	Safe and Sound	Kaliyah Hill	Temple Terrace	Naomi Frierson
5viBSC06	Color Vs Taste	Jase Smith	Valrico	Bradley Jackson, Jamie Hinson
5viBSC07	Who's the best Brusher	Andrew Pareja	Valrico	Bradley Jackson, Denice Devine-Martin
• EARTH SPACE SCIENCE •				
5fiESS01	How to Make Crystals	Ekrem Cakar	American Youth Academy	Asma Taha
5fiESS02	Water Purifier	Ariana Martinez Alicea	Bridge Prep Academy of Riverview	Jacqueline Gomez
5fiESS03	Free Energy Water Pump	Ariana Martinez Alicea	Bridge Prep Academy of Riverview	Jacqueline Gomez
5fiESS04	Land Ho!	Justin Gallo-Castillo	Lutz K-8	Tara Young
5fiESS05	Plants Vs Global Warming - Who Wins?	Julieta Pasquin	Nelson	John Honey
5fiESS06	Flooding Soil	Aria Davis	York Innovation Academy K-8	Pamela Vasquez
5viESS01	Fun Filtering	Nash Bornemann	Lutz K-8	Tara Young
5viESS02	Let it Flow	Fahmid Chowdhury	Temple Terrace	Naomi Frierson
• ENGINEERING •				
5fiENG01	Which roof design can withstand strong winds best?	Aiza Khan	Bayaan Academy	Raghad Soboh, Magda Saleh
5fiENG02	DIY Solar Distiller	Lemar Lindsay	Corbett Preparatory School	Gery Morey
5fiENG03	The Robot Ball	DeAndre Cottrell	Dawson	Alicia Jones
5fiENG04	Spinning the Wheel	Sawyer Reiford	Fishhawk Creek	Barbara Tucker

Location	Project Title	Student(s)	School	Teacher(s)
5fiENG05	Weight Warriors: Comparing Popsicle Stick Bridge Strength	Cole Blackbeard	Hillsborough Academy of Math and Science	Nia Valdes
5fiENG06	The DeAmplifier	Katalina Jimenez	Hunter's Green	Cami Yow
5fiENG07	Creating a Robotic Hand	Cairo Pyron	Lewis	Eliana Villarreal
5fiENG08	Best Type of Bats	Daniel Weems	Lithia Springs	Richard Young
5fiENG09	Trash Robot	Krishna Tipparaju	Pride	Jennell Graham
5fiENG10	Sound Energy Generates to Electricity	Nandiish Veerakutty Ananda	Pride	Katelyn Pope
5fiENG11	What Type of Bridge Holds the Most Weight	Julian Alfonso	Sessums	Hayley Cornelius , Caroline Jenkins
5fiENG12	Ride the Wind: Crafting Efficient Rotors	Arna Nilawar	Valrico Lake Advantage Academy	Camerone Patisaul , Sarah Cain
5viENG01	Ready, Set, Launch!	Evelyn Hamblen	Lutz K-8	Tara Young
5viENG02	Parachute Boat	Julie Danh	Mintz	Jessica Rutkowski
5viENG03	Speedy Sewing	Penelope Weeks	Mitchell	Gayle Lambert
5viENG04	Remote Control Car	Akhil Doguparthi	Pride	Katelyn Pope
5viENG05	Eco Friendly Crayons	Navyaa Mangalaganesh	Pride	Katelyn Pope
5viENG06	How to build a simple electric motor	Rhea Vora	Valrico Lake Advantage Academy	Cameron Patisaul , Sarah Cain
• INVENTIONS •				
5fiINV01	The Stabilizer	Jude Jacobs	Anderson	Casey Becker, Maryam Hope
5fiINV02	Zipa Sock	Madeline Babbitt	Carrollwood Day School	Stephanie Rodriguez, Lana Vargo
5fiINV03	ReBinder	William Pflanzner	Clark	Ronit Elkin
5fiINV04	Clean Flow: De-trashing the Ocean one Boatload at a Time-	Devraj Sharma	Clark	Brittany Long

Location	Project Title	Student(s)	School	Teacher(s)
5fiINV05	Toasty Sleepers	Veronica Golson	Gorrie	Javier Berrios
5fiINV06	Helping Hand	Luke Kellebrew	Hunter's Green	Yvonne Vasquez
5fiINV07	A Flood-Proof House	Manha Shazia-Khan	Lowry	Sandi Green
5fiINV08	Soda Can Opener	Preston Lee	Roosevelt	Todd Hoffmeier
5fiINV09	The Lotionizer	Isabel Mercado	Schmidt	Catherine Lucas
5fiINV10	The UnLitterbug	Jamari Edwards	Temple Terrace	Naomi Frierson
5viINV01	Saving Florida Panthers	Lily Szeplowski	Adum K-8	Amy Hauser
5viINV02	The Ultimate Max Holder	Tianna Harris	Chiaromonte	Laura Mercer
5viINV03	Portable Art	Gabby Chacon De La Cruz	Cimino	Jan Correll, Marianne Dimaio
5viINV04	Lukemz: A Claw with a Cause	Manan Patel	Clark	Brittany Long
5viINV05	Aanvi's Allergy Approved App	Aanvi Patil	Clark	Ronit Elkin
5viINV06	Slugger Strap	Jack Pfeil	Gorrie	Javier Berrios
5viINV07	Mission Moisturizer	Zoe Sager	Roosevelt	Mandee Kane
5viINV08	The Softball Collector	Marley Kasper	Tampa Palms	Sue Weinstein
5viINV09	Eco Flow Mobile	Nolan Short	Turner Bartels K-8	Katherine Powell
5viINV10	Posture Pillow	Hailey Bell	Walden Lake	Kelli Carrigan, Elizabeth Bernal
• LIFE SCIENCE •				
5fiLSC01	Heart Rate Challenge	Eloise Christianson	Adum K-8	Amy Hauser
5fiLSC02	Toothpaste Showdown: The Ultimate Stain Test!	Cristiano Buda	Ballast Point	Kallie Freiner
5fiLSC03	Stop and smell the roses.	Eesa Ahmed	Bayaan Academy	Raghad Soboh, Magda Saleh
5fiLSC04	Pursuing Practical Packaging	Sarah Musgrave	Bevis	Circe MacDonald
5fiLSC05	Growing Food Indoors	Leo Stocks	Bryant	Tom Siebel

Location	Project Title	Student(s)	School	Teacher(s)
5fiLSC06	The Invisible Wave	Piero Mercado-Pereira	Carrollwood Day School	Stephanie Rodriguez , Lana Vargo
5fiLSC07	Marine Plants: The Impact of Saltwater Plants on Water Acidity	Ryan Das	Deer Park	Tina Pipp
5fiLSC08	How Do Clouds Make Rain	Leonardo Meaia	Foster	Janiece Golden
5fiLSC09	Does the type of liquid a tennis ball is soaked in affect how many times a Pitt Bull plays fetch with it?	Kayleigh Croskey	Hammond	Sally Smith
5fiLSC10	Germination Race!	Harshita Rajamani	Heritage	Jean Josephson
5fiLSC11	Germination Journey: The Impact of Various Waters on Seed Growth	Katherine Parshall	Hillsborough Academy of Math and Science	Nia Valdes
5fiLSC12	How does the color of the jolly rancher affect the number of ants it attracts?	Serenity Scott	Ippolito	Michael Cullen
5fiLSC13	Growth	Teshley Foreste	Limona	Max Petrosino
5fiLSC14	The Secret of Fingerprints	Isabel Garcia	Mintz	Nikki Velez
5fiLSC15	Seedling Landslide	Georgia deBeaubien	Mitchell	Emily Burtnieks
5fiLSC16	Which bait works best shrimp edition	Victor Phelps	Rampello K-8	Savanna Swartz
5fiLSC17	Does the brand of waterproof band-aid affect how long it sticks on you in the water?	Matthew Langlois	Turner Bartels K-8	Katherine Powell
5fiLSC18	Does exercise affect my heart rate the same way it did 2 years ago?	Laaysa Soma	Turner Bartels K-8	Jennifer Livornese
5fiLSC19	How does the location of a succulent affect its growth?	Gabriela Balber	Twin Lakes	Pamela Diaz Jacobs
5fiLSC20	Strawberry Growth!	Kieran Culver	Wimauma	Christopher Hulme, Ryan Sealy
5viLSC01	Music and Heart Rate	Ja'Sorrah McGriff	Colson	Aurora O'Brien
5viLSC02	Organic vs Non-Organic Fruit	Isaiah Serrano	Davis	Sarah Hopkins, Jacob Cohen
5viLSC03	Does rubber protect people from rooster attacks?	Finley Lilburn	Hammond	Sally Smith

Location	Project Title	Student(s)	School	Teacher(s)
5viLSC04	How does the flavor of ice cream affect the rate of how slowly it melts?	Sitara Mehita	Hammond	Sally Smith
5viLSC05	From Snack to Artifact	Kyrin Williams	Hillsborough Academy of Math and Science	Marian Alvarez
5viLSC06	Compost affect on plant growth	Deethya Reddolu	Hunter's Green	Lori Berrios
5viLSC07	How does the type of sweetener affect the amount of ants it attracts?	Jaden Davis	Ippolito	Michael Cullen
5viLSC08	How does playing video games affect your eyesight?	Jayce Amedes	Ippolito	Michael Cullen
5viLSC09	Does hair keep us warm?	Penny Duff	Riverview	Shelby Hough
5viLSC10	LED vs Sunlight	Toye Akintewe	Roland Park K-8	Devyn Millyard
• MATH, COMPUTERS, CODING •				
5fiMCC01	2D Versus Virtual Reality Gaming	Maverick Serrano	Corbett Preparatory School	Gery Morey
5fiMCC02	It's Windy in Here!	Reid Patterson	Lutz K-8	Tara Young
5fiMCC03	Real or AI	Addison Eck	Mitchell	Tara Pyle
5viMCC01	How does chromosteriopsis affect the accuracy and speed of the brain?	Aralyn Scrivner	Turner Bartels K-8	Katherine Powell
• PHYSICAL SCIENCE - ENERGY •				
5fiPSE01	The Solar Oven	Jadalysia Orr	Bridge Prep Academy of Riverview	Jacqueline Gomez
5fiPSE02	Does Bigger Mean Stronger?	Juan Socas	Cannella	Robin Swenson
5fiPSE03	How does the type of fruit or vegetable affect the brightness of a lightbulb?	Ava Lopes	Chiles	Denise Mcilwaine
5fiPSE04	How does the change in the wind velocity affect the voltage needed to illuminate an LED light?	Annika Bhowmick	Chiles	Denise Mcilwaine
5fiPSE05	Electric Static	Joseph Green	Foster	Janiece , Golden

Location	Project Title	Student(s)	School	Teacher(s)
5fiPSE06	Battle of the Brands, Golf Edition	Nolan Willis	Kid's Community College South	Kaitlyn Ruesche, Charis Daerr
5fiPSE07	How does the height of a ramp affect how far a car travels?	Margery Perreault	Lewis	Victoria Adams
5fiPSE08	Solar Car	Mia Hoang	Limona	Max Petrosino
5fiPSE09	Electric Current Based on the Amount of Citric Acid	Claire Madison	Lithia Springs	Richard Young
5fiPSE10	How Does the Brightness Level Affect Battery Life	Mackenzie Calve	Lowry	Sarah Jahosky
5fiPSE11	Free Throw Physics: Does Size Matter?	Hannah Fontan	MacFarlane Park	Lisa Perez, Viola Young
5fiPSE12	Melting Madness	Garen Tallmadge	Maniscalco K-8	Stacy Summers
5fiPSE13	Suitcase wheels	Leyla Brizuela Gonzalez	Mintz	Jessica Rutkowski
5fiPSE14	Golf Heights	Carson May	Riverhills	Stacie Watson
5fiPSE15	Yo-Yo Time	Nahir Pryce	Roland Park K-8	Devyn Millyard
5fiPSE16	What cup keeps the water bottle coldest?	Leah Stephens	Roosevelt	Todd Hoffmeier
5fiPSE17	Bike Adventure	Jacob Gonzalez	Schmidt	Catherine Lucas
5fiPSE18	Hill Height	Isabella Aylor	Seffner	Dayna Koch
5fiPSE19	How Does Heat Affect Rubber?	Miles Morris	Stowers	Kim Kisse
5fiPSE20	Peel Power: Turning banana & orange waste into biofuel	Patrick Taranoff	Sunlake Academy of Math and Science	Kristen O'Conner
5fiPSE21	How does the color of water affect evaporation rates?	Jason Tian	Tampa Palms	Sue Weinstein
5fiPSE22	Don't Lose Your Cool	Malachi Potts	Tinker K-8	Mary Sullivan, Dawn Steele
5fiPSE23	Down Goes the Car!	Noah Khan	Wilson	Tricia Craig
5fiPSE24	Best Brand Battery - BBB	Frankie Sosa	Wimauma	Christopher Hulme, Ryan Sealy
5viPSE01	Dissolving in Soda is Fun!	Brielle Navarro	Adum K-8	Amy Hauser
5viPSE02	Burn Baby, Burn!	Brady Groen	Cambridge Christian School	Coco Lewis, Heather Agee

Location	Project Title	Student(s)	School	Teacher(s)
5viPSE03	How does the weight on a drone affect its battery life?	Emily Gutowski	Chiles	Denise Mcilwaine
5viPSE04	Heat the Fabric	Mia Montes	Claywell	Kristina Stacy
5viPSE05	Roll, Roll, Roll	Ameila Thao	Cork	Mendy Cartagena
5viPSE06	The Signal Seeker	Arnav Pandey	Fishhawk Creek	Barbara Tucker
5viPSE07	How does physical exercise affect heart rate?	Adryan Rodriguez	Forest Hills	Dr. Fraser
5viPSE08	Make Wind Work For You	Alayla Calero	Foster	Janiece Golden
5viPSE09	Floating Maglev Train	Julian Vento	Foster	Janiece Golden
5viPSE10	Friction!	Miriam Halty	Heritage	Jean Josephson
5viPSE11	Rock Resilience	Ryan Murgas	Hillsborough Academy of Math and Science	Marian Alvarez, Stephanie Galyan
5viPSE12	How Type of Metal Affects Water Temperature	Almundena Alvarez Alpizar	Lowry	Sarah Jahosky
5viPSE13	How Does Sail Texture Affect Boat Speed?	Maiya Pernas	Lowry	Genevieve Adams
5viPSE14	How Does the Size of a Gear Affect the Speed of a Car?	Theodore Behnke	McKitrick	Tristan Lockwood
5viPSE15	How Does the Surface Affect the Speed of a Solar Powered Car?	Samanvi Komaragiri	McKitrick	Debbie Manrique
5viPSE16	Tennis Ball Temperature	Bobby Pfeifer	Northwest	Lisa Seauzeneau
5viPSE17	Hot Hair!	Faith Anyinefa	Riverhills	Rosanna Pena
5viPSE18	The Wheels Go Round and Round	Declyn Fiore	Riverview	Shelby Hough
5viPSE19	The Bounce Factor: How does Temperature affect ball height?	Jason Ruiz	Springhead	Alexi Hoyle
5viPSE20	Boiling Rates	Aaron Wittmer	Tinker K-8	Mary Sullivan, Dawn Steele
• PHYSICAL SCIENCE - MATTER •				
5fiPSM01	Sandbags	Reese Zeier	Adum K-8	Amy Hauser
5fiPSM02	The Bridge Strength Test	Madison Bridges	Bellamy	Julie Gladden

Location	Project Title	Student(s)	School	Teacher(s)
5fiPSM03	Arc-Quatic	Avishka Bommakanti	Bryant	Tom Siebel
5fiPSM04	The Dissolving Process	Brooklyn Gable	Buckhorn	Jacey DiBenedetto
5fiPSM05	Speedy Stirring	Paisley Canchola	Buckhorn	Jacey DiBenedetto
5fiPSM06	Stains are a Pain!	Presley Held	Cambridge Christian School	Heather Agee, Coco Lewis
5fiPSM07	The Trash Bag Smackdown!	Emory Todd	Cambridge Christian School	Heather Agee, Coco Lewis
5fiPSM08	Electrifying Electrolytes	Jackson Griffin	Cimino	Kimberly Palmer, Madison Bird
5fiPSM09	Straw rocket investigation	Melany Lopez-Garcia	Clair Mel	Isaiah Marshall
5fiPSM10	Can't Touch This!	Shelby Gaston	Claywell	Kelly Colucci, Krysten Hurman
5fiPSM11	Going...Going...Gone!!	Darren Randall	Claywell	Kelly Colucci, Krysten Hurman
5fiPSM12	Minty Fresh	Skylar Sample	Collins PK-8	Julia Westenzweig-Smith
5fiPSM13	Spectacular Sponges	Maya Frijouf	Gorrie	Javier Berrios
5fiPSM14	Bubbles, Bubbles, Everywhere!	Maryam Fatayer	Heritage	Jean Josephson
5fiPSM15	Which gum has the longest lasting flavor?	Alyza Perez	Lewis	Victoria Adams
5fiPSM16	Freezing Liquids	Emily Orlando	Maniscalco K-8	Stacy Summers
5fiPSM17	How Do Different Types of Biodegradable Materials Affect Petroleum Absorption?	Kinnari Patel	McKitrick	Tristan Lockwood
5fiPSM18	How Does the Type/Form of Sunscreen Affect the Amount of Sun that is Blocked?	Marianne Hunt	McKitrick	Trisha Brewer
5fiPSM19	What makes ice melt the fastest?	Anna Prichard	Northwest	Lisa Seauzeneau, Stacy Pizzio
5fiPSM20	Does the color of water affect it's evaporation speed?	Lan Anh Pham	Northwest	Lisa Seauzeneau, Stacy Pizzio
5fiPSM21	Haircare!	Amaree Sales	Riverhills	Rosanna Pena
5fiPSM22	Coolest H2O	Mila Ortega	Roland Park K-8	Devyn Millyard

Location	Project Title	Student(s)	School	Teacher(s)
5fiPSM23	Deep Discoveries Under Pressure	Hawk Harris	Sunlake Academy of Math and Science	Kristen OConner
5fiPSM24	How does the brand of gum affect how long the bubble will last without popping?	Luke Pickett	Tampa Palms	Sue Weinstein
5fiPSM25	Will it Wipe?	Farkas Milan Muller	Temple Terrace	Naomi Frierson
5fiPSM26	Which Brand of Bubble Gum has the Longest Elasticity when Chewed for Ten Minutes?	Laine West	Tinker K-8	Mary Sullivan, Dawn Steele
5fiPSM27	Salt vs Sugar	Kamilah Charles	Trapnell	Bryan Purkey
5fiPSM28	Apple Oxidation	Sohaib Deieka	Universal Academy of Florida	Ezdiyar Hussein, Abdallah Elalami
5fiPSM29	Hot Cup, Cool Mood	Gabriel Hernandez-Perez	Valrico	Cynthia Young, Denice Devine-Martin
5fiPSM30	Polyester Vs. Nylon	Zoe Santiago-Colon	Valrico	Bradley Jackson, Denice Devine-Martin
5fiPSM31	Turn Milk Into Plastic	Abigail Kan	Valrico Lake Advantage Academy	Sarah Cain , Cameron Patisaul
5fiPSM32	Best Rust Remover!	Aiden Valdez	Wimauma	Christopher Hulme, Ryan Sealy
5fiPSM33	Cola Volcano	Iain Nchang	Wimauma	Christopher Hulme, Ryan Sealy
5viPSM01	Dissolving Greater Grains	Xzandria Infante	Buckhorn	Jacey DiBenedetto
5viPSM02	Sizable Sugars	Harper Hagey	Buckhorn	Jacey DiBenedetto
5viPSM03	Chill Test: Cooling Drinks Fast	Austin Hastings	Cambridge Christian School	Coco Lewis, Heather Agee
5viPSM04	What temperature is the bomb?	Kennedy McFadden	Chiles	Denise McIlwaine
5viPSM05	Clean Queen	Audriana Bonilla	Claywell	Kelly Colucci, Krysten Hurman
5viPSM06	Temperature's Touch: Investigating the Impact of Heat on Amount of Fermentation	Vaidehi Renjith	Deer Park	Tina Pipp

Location	Project Title	Student(s)	School	Teacher(s)
5viPSM07	Melting Mixtures	Samantha Patrick	Fishhawk Creek	Barbara Tucker
5viPSM08	Yummy, Yummy! Will it Melt?	Yakout "Morgan" Meliani	Heritage	Jean Josephson
5viPSM09	Cookie Chemistry	Aubrey Bulnes	Hunter's Green	Christie Hampson
5viPSM10	The Great Fruit Decay Race: Investigating the Rate of Rotting Fruits	Sambhav Shah	MacFarlane Park	Catherine Jones
5viPSM11	Bursting Point: Investigating Air Pressure	Priyish Ghimire	MacFarlane Park	Lisa Perez, Viola Young
5viPSM12	Popcorn Popping Time	Savannah Chandley	Maniscalco K-8	Jennifer Burnette
5viPSM13	Mixing Magic: Investigating Salt's Solubility in Water and Vinegar	Gisselle Vanalstyne	Mendenhall	Kimberly Long
5viPSM14	Sparkling Seltzer	Claire Printy	Mitchell	Gayle Lambert
5viPSM15	Floating Eggs	Morgan Andonian	Northwest	Lisa Seauzeneau
5viPSM16	Melting Mints	Makila Robinson	Riverhills	Rosanna Pena
5viPSM17	Keepin' it Dry	Marley Negron	Roland Park K-8	Devyn Millyard
5viPSM18	Ice Ice Melt	Alexis Castillo Cabrera	Schmidt	Catherine Lucas
5viPSM19	Storm Shields: Testing the best sandbag materials for flood prevention	Brantley Newsome	Springhead	Alexis Hoyle
5viPSM20	Bleeding Markers	Emma Serio	Tampa Palms	Stephanee Long
5viPSM21	Best Cup for your money	Elizabeth M	Town and Country	Deanna Lambert, Nicole Angelo
5viPSM22	Cookieology	Skylar Price	Walden Lake	Joanna Turkett, Elizabeth Bernal

ELEMENTARY DIVISION • GROUP PROJECTS • THIRD GRADE

• BEHAVIORAL SCIENCE •

3fgBSC01	A Taste Test for Fluffy and Fido	Penny Castiglia, Brooklyn Kemp	Ballast Point	Tina Moradiellos
3fgBSC02	Can People Use Their Sense of Hearing to Tell the Difference Between a Nickel, Penny, Dime, and Quarter?	Carly Melgoza, Kameron McNeal	Bryan Plant City	Ms. Santos

Location	Project Title	Student(s)	School	Teacher(s)
3fgBSC03	Smell or Taste? How Your Nose Affects What You Taste.	Natalia Machural, Sophia Sotolongo, Heidi Zelaya	MacFarlane Park	Jen Florez
3vgBSC01	Can you tell the difference in an AI. experiment?	Kingston Rowland, Kaylee Wang, Rylee Moore	Chiles	Mike Zang
3vgBSC02	Music to Think	Romeo Bradley, Ethan Pickett	McDonald	Tanika Flemming
3vgBSC03	Workout your Memory	Rylee Dunner, Rylan Dunner, Kinsley Baird	McDonald	Tanika Flemming, Makeisha Wiggins
• EARTH SPACE SCIENCE •				
3fgESS01	How does the length of the straw rocket affect the distance it travels?	Fahd Meilani, Macie Lees, Zayd Ismail	Heritage	Monica Mukherjee
3vgESS01	Clean Water Challenge: Comparing Sane and Rocks in Water Filtration Systems	Thurman Wimms, Ja'hcorey Walton	Ippolito	Melanie Parrish
3vgESS02	Just Dropping In!	Maddie Haas, Charlie Jarosi, Hazel Pastorius	Lutz K-8	Jennifer Sanzo
• ENGINEERING •				
3fgENG01	Buff Bridges	Nicholas Matar, Vishal Tyagi	Bryant	Pamela Corkery
3fgENG02	"Eggs-perimenting with Protection: Crack the Code"	Carlos Green , Deandre Dunston, Marc Erazo Marquina	Dunbar	Ali Beekhuizen
3fgENG03	How Far the Car Went	Bradley Jennings, Aiden Schade, Steven Weaver, John Rose	Hunter's Green	Dana Vega
3fgENG04	The Matching Game	Mara Elnager, Leya Faris, Malia Howard, Marley Eaton	Lewis	Abigail Calderon
3fgENG05	Slinger 200	Nicholas Kemper, Lachlan Anderson, Marshall Perry, Sebastian Rosario	Northwest	Anna Smith
3fgENG06	The Roller Safe	Everlee Solomon, Rowan Willard, Emmie Clausen, Mariah Anis	Northwest	Anna Smith
3fgENG07	Fly High	Audreigh Guerrero, Jaxon Fowler	Valrico	Mandy Lorentzen
3vgENG01	The Lego Transporter	Ragnar Heinke, Jayden Knowles	Anderson	Darby Embry, Maryam Hope
3vgENG02	Tie Dye	Isabella Gomes, Cyannie Johnson, Alana Bullock, Andres De La Cruz	Ippolito	Melanie Parrish

Location	Project Title	Student(s)	School	Teacher(s)
3vgENG03	Soaring Into the Future - Designing the First Flying Car	Efrain Pena Arellano, Hamza Khouji, Rudra Bhushan	MacFarlane Park	Jen Florez
3vgENG04	Spellcheck Pen - A Tool to Correct Your Spelling	Ilins Dareus, Avi Gandhi, Curtis Joseph	MacFarlane Park	Lindsey Harrington
3vgENG05	A zipline that brings groceries in from the car.	Gibson Banks, Sonya Smith, Lisbet Perez	Northwest	Jessica Bozolo
• INVENTIONS •				
3fgINV01	Breeze Box	Maximilian Fyda, Maxton McCarthy	Bryant	Pamela Corkery
3fgINV02	Glittery Gleaming Glamming Rings	Patti Young, Presley Stevens	Cork	Shayla LaRue
3fgINV03	Sole Searcher: Keeping Kids Safe	Theodore Greenblatt, Tripp Miller, Roman Roth	MacFarlane Park	Lindsey Harrington, Jen Florez
3fgINV04	Floatie Gate - Storm Surge Blocker	Jonathan Miller Jacobsen, Casandra Gonzalez-Hernandez, Yohener Villalobos-Mejia	Mort	Julie Huitt
3vgINV01	The Magical Pencil Sharpener	Aleigha Henry, Bella Moore	Anderson	Darby Embry, Maryam Hope
3vgINV02	Water 3000	Annika Ramakrishnan, Dhyaan Ramesh, Ayansh Maheshwari	Hunter's Green	Cami Yow
3vgINV03	Robot Remote 360	Taelor Williams, Lilly Price	Trapnell	Wendy Wilson
3vgINV04	"TSS" (also known as The Star Sucker)	Isabella Nguyen, Amalia Davila	Trapnell	Wendy Wilson
3vgINV05	Fearless Flippers	Rayne Reid, Kaleea Poster, Kai Howson, Asia Elliot	Turner Bartels K-8	Kelsey Harrell
• LIFE SCIENCE •				
3fgLSC01	Does Plant fertilizer affect the Growth of a Plant?	Stephania Aguilar Galindo, Gianella Padron, Alice Alvarez, Isabella Enrique	Alexander	Liuba Rodriguez
3fgLSC02	Plants in Different Environments	Emmi Rivera, Jasper Garcia, Genesis Munos, Amberlyn Ventura	Cannella	YaKenia Greene
3fgLSC03	Playing with Genetics	Mikaela Schack, Gracie Morris, Ella Miller, Sofia Garcia	Cork	Elizabeth Knox

Location	Project Title	Student(s)	School	Teacher(s)
3fgLSC04	Does the length of the stem affect how fast color is absorbed?	Yahya Zaben, Noor Zituni	Heritage	Bethany Pancorvo
3fgLSC05	Growing Grass	Shriya Gupta, Isha Patel	Hunter's Green	Cami Yow
3fgLSC06	Get Your Heart Pumping!	Brody Harris, Kamryn Richards, Brinleigh Carke	Pride	Kristen LaBella
3fgLSC07	Hands Down: Which Sanitizer Works Best?	Mya Lauck, Advait Palampalli, Olive Cao, Arjun Paladugu	Pride	Michelle Evans
3fgLSC08	Plant Project	Sarai Coleman, Sylvie Cummings, Brooklyn Gilliland	Stowers	Molly O'Meara
3fgLSC09	Light and Dark Plants	Riley Mobley, Eva Figueroa-Garcia	Valrico	Mandy Lorentzen, Milagros Coffey
3vgLSC01	Which Seed Grows the Fastest?	Samir Thomas, Annette Navarro- Rinalddi, Yuma Ward	Buckhorn	Lisa Kelly
3vgLSC02	Suelo: El mejor amigo de las plantas	Caitlyn Cubela, Yordan Dorta, Mijail Barcenaz, Lorexy Rodriguez	Crestwood Dual Language	Viomar Velez
3vgLSC03	Taste Perception	Mitchy Foreste, Rogue Bienlien, Jeanie Rae Hope	Limona	Linda Barnhart
3vgLSC04	Exercise and Heart Rate	Jaxson David, Thad Harris, Kareem Oliver	West Shore	Analiese Gallarelli
• MATH, COMPUTERS, CODING •				
3fgMCC01	Magia de M&M	Genevieve Tack, Christian Herrera, Eiser Escalanle, Ulyses Lata-Cabrera	Bellamy Dual Language	Rosa Chamizo
3fgMCC02	Helping Hands	Cole Baldwin, Jackson Edwards	Lutz K-8	Tara Young
3vgMCC01	Which type of coding is more accurate, Java Script or Block coding?	Gabriel Torres Perez, Ian Navarro Valdes	Alexander	Selena Sena, Kylie Piche

Location	Project Title	Student(s)	School	Teacher(s)
• PHYSICAL SCIENCE - ENERGY •				
3fgPSE01	The Effects of external color on internal temperature	Emaan Alghazzi, Bayaan Alghazzi	Bayaan Academy	Ruya Adly, Raghad Soboh
3fgPSE02	Botley, the Surface Tester!	Kevin Vera, Sebastian Estevez, Theodore Rodgers, Ezequiel Ramos Navarro	Bellamy	Julie Gladden
3fgPSE03	Time for a Manicure	Katerina Sporrer, Izzy Curley, Khushi Shah	Bevis	Stephanie Hill
3fgPSE04	Aero Dynamic Gliders	Kavyanc Banerjee, George Marshall, Logan McAnally, Vihaan Sharma	Bevis	Stephanie Hill
3fgPSE05	How does the air pressure of a soccer ball affect how far it will travel when kicked?	Amit Sanichara, Abdullah Kabiry, Yeiden Lopez-Aviles, Kadith Pinkston	Chiaramonte	Alaina McQuay
3fgPSE06	How does the temperature affect the bounce height of a ball?	Frances Capulong, Alessandra Lopez, Romi Kenderdine, D'Naijah Simpson	Chiaramonte	Alaina McQuay
3fgPSE07	Banking on Power	Alexandra Figueroa, Julieta Matos-Gomez, Shahana Jain, Aerielle O'Neal	Clark	Mrs. Smith
3fgPSE08	Hot Wheel Distances	Brody Faustini, Angel Garcia, Alan Pina	Dawson	Valeria Lucio
3fgPSE09	Melting Crayons	Naiobe Diaz-Hernandez, Jayden Harris, Jacob Jameson, Aliz Perez	Dawson	Valeria Lucio
3fgPSE10	How Do Different Building Materials Affect the Inside Temperature of a House?	Ivan Santiago Hernandez, Malachi Ervin, Marvin Diego Gaspar	Dover	Patricia Romano
3fgPSE11	Baseball Bash	Quinn Candela, Jake Lewis, Oliver Gruber	Fishhawk Creek	Kelly Connor
3fgPSE12	Rocket Launcher	Ezera Misztak, Raziah Williams	Ippolito	Melanie Parrish
3fgPSE13	How does carbonation affect the distance a water rocket will travel?	Omnia Alanbki, Josue Barcenas, Avery Porter	Lewis	Karen Hartman

Location	Project Title	Student(s)	School	Teacher(s)
3fgPSE14	Parachute Size - Does the Size of the Parachute Affect Its Flight?	Elise Malta, Alana Ruff, Joel Castellon, Vincente Montserrat	Lowry	Bianca Rodriguez
3fgPSE15	Static 4 Science	Vihaan Yemul, Cole Watson, Samuel Ritchey, Zayn Scantlebury	Lowry	Piper Thompson
3fgPSE16	Magnet Mania	Eliza Lake, Emma Warner	Lutz K-8	Tara Young
3fgPSE17	High in the Sky!	Dallas Orlando, Claire Wagner, Junde Cao, Josiah Pierrelus	Maniscalco K-8	Katie Hall, Alison Bern
3fgPSE18	Pitter Patter, What Makes the Heart Beat Faster?	Emily Millman, Anna Hurless	McKitrick	Angela Baker
3fgPSE19	1 Ball, 3 Surfaces	Nicholas Lenzo, Jordan Evans	McKitrick	Daisy Casiano
3fgPSE20	Toy Car Ramps	Sophia Chambliss, Alexander Gentile	Mintz	Alicia Livernois
3fgPSE21	Sparks Fly	Madison Young, Mackenzie Young	Mitchell	Dana Clements
3fgPSE22	Lights Up!!	Hailee Augustin, Masuma Zannah, La'vira Jones	Riverhills	Kathryn Morris
3fgPSE23	The Search for Cool Water	Isaiah White, Walker Lanning, Joseph Stodghill	Riverhills	Stephanie Lewandowski
3fgPSE24	Parachute Drop	Skylar Foster, Madison Bossman-Colson, Sofia Sanchez	Schmidt	Magdalene Salmon
3fgPSE25	Fly So Far	Adlai King, Jeremy Juarez, Emiliano Cardona, Julian Adams	Schmidt	Summer Lobascio
3fgPSE26	Who can jump the highest?	Emmersyn Butler, Katherine Pandey, Elijah Robain	Seffner	Janice Pereira
3fgPSE27	Which car can do the furthest down a ramp?	Emma Brown, Xavier Quinones, Payten Campbell	Seffner	Janice Pereira
3fgPSE28	Volcano Eruptions	Ella Meyer, Thea Toole	Temple Terrace	Elizabeth Hemrich, Sally Latson
3fgPSE29	Royal Flush	Floyd Dinh, Ximena Alonso, Darnell Major, Keagen Marshall	Trapnell	Lenora Burrows

Location	Project Title	Student(s)	School	Teacher(s)
3fgPSE30	What substance dissolves fastest in water?	Mario Garcia, Gabriel Hernandez, Jevan Joseph	Trapnell	Benjamin Pace
3fgPSE31	Soft Landing	Alex Martinez, Kannon Cockrell	Wilson	Alicia Burgos
3fgPSE32	Kick Away!	Salvador Perez-Felipe, Adryanna Molinero-Perez, Eli Hall, Jaedyn Cruz	Wilson	Alicia Burgos
3vgPSE01	Which type of cup will keep my drink the warmest?	Owen Vreeland, Sean Cavaliere, Izzy McDowell, Penelope Cox	Carrollwood K-8	Andrea , Varona
3vgPSE02	Shin Guarding	Andrew Koshy, Eden Warren	Cimino	Kara Marra, Jan Correll
3vgPSE03	Flying By Design	Leo Fischer, Timmy Rovnanik	Cimino	Kara Marra, Jan Correll
3vgPSE04	Rubbing up Against Static Electricity	Isha Sambaath, Syrine Alrahabi, Elyssa Pyatt, Aanvi Kota	Clark	Mrs. Plate
3vgPSE05	Jeep, Jeep, Go !	Milo Eplin, Ivy Daumy, Gianna Madonia	Cork	Sarah Kraus
3vgPSE06	Rocket Power	Jade Williams, Gladys Mejia Rivera, Trishalyn Rodriguez McPhers	Cork	Sarah Kraus
3vgPSE07	How Does the Shape of a Parachute Affect How Slowly it Lands to the Ground?	Yumeth Galkissa, Aditya Rana, Sasen Aluthwatta	Deer Park	Kimberley Henry
3vgPSE08	Stretching Out Energy	Mondrell George , Skye Schaife	Graham	Cherrin Brock
3vgPSE09	Soccer Ball Air	Lucas Stube, Will Gillipsie	Hunter's Green	Nicole Cantwell
3vgPSE10	Circuits: Take 2	Eva Pyree, Avery Hesbeens	McKitrick	Monica Contreras
3vgPSE11	RC on the Move	Henry Behnke, Mide Adedeji, Noah Kim	McKitrick	Monica Contreras
3vgPSE12	The Windy Wonder	Krithi Panyala, Yashika Velichala	Pride	Lauren Phillips
3vgPSE13	Ball Launcher	Swarali Cherukuri, Avyaan Penugonda	Pride	Holly Holderman
3vgPSE14	What's That Sound?	Ameen Furney, Mykael Wedderburn	Shore	Shalynda Carithers
3vgPSE15	Coaster Dynamics: How design impacts distance.	Travonte Hugee, Madison Harris, Sadie Rosales	Springhead	Jessica Grande

Location	Project Title	Student(s)	School	Teacher(s)
3vgPSE16	Flying High: The impact of paper type on airplane distance	Jameson Gainey, Sherlyn Leonardo Molina, Santiago Rendon Olivares	Springhead	Jessica Grande
3vgPSE17	How does the height of a ramp affect the distance a ball will roll?	Lainey O'Hara, Kelsey Le, Sabrina Araujo, Kali Olafemi	Turner Bartels K-8	Kelsey Harrell
• PHYSICAL SCIENCE - MATTER •				
3fgPSM01	The five second rule; does it apply at school?	Asiyah Ahmed, Danya Saleh	Bayaan Academy	Ruya Adly, Raghad Soboh
3fgPSM02	Las Lay's Saltan	Annalea Herrada, Lucas Perez, Kylie Blasco	Bellamy Dual Language	Rosa Chamizo
3fgPSM03	Which type of candy cane dissolves the fastest in different liquids?	Nathalie Mendoza, Kaylianys Pagan	Bryan Plant City	Ms. Willaford
3fgPSM04	Which type of container will keep my ice cream from melting?	Morgan Newton, Mia Cruz, Kenzie Kemner, William Henson	Carrollwood K-8	Leaann, Azzarello
3fgPSM05	How does the type of chip affect the amount of grease it creates?	Blake Brewster, Marco Aluisy, Annabelle Nelson, Randy Rodriguez	Carrollwood K-8	Christine, Otero
3fgPSM06	The Case of the Missing Popcorn	Lexie Ghandor, Brenna Hughes, Aneev Pandya, Nathan Panavelil	Chiles	Holly Bohannon
3fgPSM07	Temperature Affecting Properties of Slime	Jasmine Rodriguez, Olivia Samus, Taylen Griffin, Andres Gomez	Chiles	Rachel Lettierio
3fgPSM08	Paper Towel Brands	Daniel Khavuliak, Harrison Lancaster	Citrus Park	Deborah Stephenson
3fgPSM09	Bubble-ology	Ulyana Kashcheyeva, Rita France, Maya Maddox, Lily Hernandez	Clark	Mrs, Plate
3fgPSM10	How Does the Type of Bristles on an Art Paint Brush Affect How Well it Spreads Paint?	Brea Fillingim, Brooke Bylund, Ella Hemminger	Deer Park	Kimberley Henry
3fgPSM11	How Does the Brand of Chocolate Affect how Fast it Melts?	Subodh Bandarla, Casey Koca, Nimallan Raja Rajenderan	Deer Park	Kimberley Henry
3fgPSM12	Are All Baseball Helmets Created Equal?	Aaron Katz, Daniel "Burch" McGroarty	Gorrie	Suzanne Watson
3fgPSM13	How Does the Amount of Air Affect How Far It Goes?	Ryan Pitterle, Max Mortillo	Gorrie	Suzanne Watson

Location	Project Title	Student(s)	School	Teacher(s)
3fgPSM14	How does the weight of sand in a water bottle affect the height of bottle in water?	Bryce Tinsley, Cash Cahoon	Hammond	Kit Ackermann, Kelley Carrero
3fgPSM15	How do brands of stainless steel cups affect water temperature over time?	Reese Dokken, Keyriah Chambers, Adam Collett	Hammond	Annjanette Black
3fgPSM16	Does changing the amount of pieces a Lego Bridge affect it falling down?	Nicholas Perez-Garcia , Victoria Liao	Lake Magdalene	John Bukowski
3fgPSM17	How does the changing the height of the ramp affect the distance of a Lego Race Car?	Ariane Bendever , Destiny Adjiri, Grace Villela-Sierra	Lake Magdalene	John Bukowski
3fgPSM18	Airplane Mass	Harper Levine, Milena Razo	Limona	Natasha Rush
3fgPSM19	I'm Melting	Capp Bishop, Holden Philbin, Cooper Plastic, Niko Wilson	Maniscalco K-8	Katie Hall
3fgPSM20	Rock Candy	Calissi Insignares-Jimenez, Nathalia Leyton	Mintz	Jessica Weaver
3fgPSM21	Glue Effects the Weight of Slime	Kelly Margaret Rothrock, Caroline Ritchie	Mitchell	Dana Clements
3fgPSM22	Which Holds More?	Chloe Muller, Sophia Zaba	Roosevelt	Felicia McNorrill
3fgPSM23	Wet Markers	Maya Smith, Olivia Fiddelke	Roosevelt	Angelo Leopardi
3vgPSM01	What brand of paper towels is the most absorbent?	Olivia Vazquez, David "Abe" Shaffer, Kennedy Thatcher, Morriah Wallace	Carrollwood K-8	Leaann, Azzarello
3vgPSM02	Bath Bombsplosion	Asher D'Souza, Aydin Shanawaz	Chiles	Mike Zang
3vgPSM03	Time to Dissolve	Sebastian Miranda, Julian Restrepo, Rughvedh Chenaboyina, Nicholas Rosado	Clark	Mrs. Smith
3vgPSM04	Put your money where the ice cream is	Zoe Tinker, Marcos Tirce Lara, Richard Cox	Crestwood	Laura Salario
3vgPSM05	What Effect on the Type of Liquid Dissolves Candy Faster?	Mateo Zuzunga, Dylan Howard, Kyai Cummings, Kayden Gainer	Cypress Creek	Byran Maikowski, Kelly Maikowski

Location	Project Title	Student(s)	School	Teacher(s)
3vgPSM06	Gummy Bear Science	Leoncia Rodriguez, Lanalei Monzon, Brandon Morales, Dyanni Irizarry	Cypress Creek	Genesis Reyes, Cathrine Curtis
3vgPSM07	How Does the Type of Sponge, Natural or Synthetic, Affect the Amount of Water it Absorbs?	Arianna Afonso Leon, Emily Cheung, Maleah Krief, Micah Meilak	Deer Park	Kimberely Henry
3vgPSM08	Suck It Up-Which brand of paper towel absorbs the most water?	Jada Brockway, Viviana Cappas, Emma Vizcarra	Essrig	Leah Mezulis- May, Kayla Paulino
3vgPSM09	WWE Paper Towel Challenge-Which brand of paper towel is the strongest when wet?	Jasmine Rodriguez, Lorena Silva, Madison Ubilla	Essrig	Leah Mezulis- May, Kayla Paulino
3vgPSM10	Heavy Hitters	Edison de Silva, Andrew Deitzer	Gorrie	Suzanne Watson
3vgPSM11	Which parachute will slow you down the best?	Tavonga Madzvimbo, Kwinton Armstrong, Jasmere McGee	Heritage	Evilee Redmon
3vgPSM12	Which paper airplane will fly the farthest? Drawing paper? White paper?	Nicholas Detres- Rivera and Joshua MacArio	Lake Magdalene	Tiffany Bendever
3vgPSM13	Which Candy Will Melt the fastest?	Alejandra Esteban, Oliver Davis, and Jared Zelaya	Lake Magdalene	Tiffany Bendever
3vgPSM14	Airplane Thickness	Anderson Baten Hernandez, Jorge Cables Torres	Limona	Linda Barnhart
3vgPSM15	Least Amount of Condensation	Robert Beach, Emmanuela Pascal, Gabriel Heald	Lockhart	Tatianna Rivers
3vgPSM16	Does Adding More Ice to Water Make the Water Cooler?	Kennedi Sheggog, Marielys Valdes	Lockhart	John Harmon
3vgPSM17	Aqua-Morph	Anthony Williams, Tamira Akines, Jace Rosser	Lomax	James Bell, Sarah Henix
3vgPSM18	The Great Ball Drop	Joshua Aguy, Immanuel Washington, La'zya Ellis, Savion Edwards	Lomax	James Bell, Sarah Henix
3vgPSM19	In the Fight Between Cocoa Puffs vs. Fruit Rounds Who Will Absorb More Milk?	Claire Harrison, Sofia Carter, Hannah Harrison, Imani Cartegena	Lowry	Piper Thompson
3vgPSM20	Time to Stretch	Brantley White, Andrea Hatch, Aurora Sanders	Lutz K-8	Jennifer Sanzo

Location	Project Title	Student(s)	School	Teacher(s)
3vgPSM21	Cereal and Milk	Chloe Heltzel, Ariyonna Jordan	Mintz	Heather Schwartz
3vgPSM22	Milk and Cereal	Alayna Feyt , Kayla Castillo	Mintz	Heather Schwartz
3vgPSM23	The Science Girls' Project	Ana Boffil, Kamille Burt	Muller	Anna Dinos
3vgPSM24	Boats	Cayden Valladares, Je'Siah Rossi	Muller	Caitlin McCoy
3vgPSM25	How does the type of ball effect the distance it travels when hit with a bat?	Kayden Thompson, Chloe Rheas, Laurel Reed, Bennett Smith	Northwest	Jessica Bozolo
3vgPSM26	Popsicle Problems	Jaycob Renteria, Jordan McCray, Anaia Ramos, Kingston Williams	Riverhills	Stephanie Lewandowski
3vgPSM27	Batter Up!	Jovanni Perdomo, Sawyer Williams	Riverhills	Kathryn Morris
3vgPSM28	Quicker Picker-Upper	Zoey Chavez, Camila Ibarra, Maverick Pugh, Kehylianne Martinez	Walden Lake	Travis Nanz
3vgPSM29	Bounty Vs Target Brand	Zoriel Cordona, David Gonzalez, Isabella Feliciano, Telisa Works	Woodbridge	Rossana Spallino-Callan

ELEMENTARY DIVISION • GROUP PROJECTS • FOURTH GRADE

• BEHAVIORAL SCIENCE •

4fgBSC01	RIGHT ON POINT	Eli Jolley, Maryn Boettner, Roan Miller, Veronica Wells	Bevis	Cara Seibert
4fgBSC02	Do They Hear What We Hear?	Kayla Brown, Evelyn Conroy, Yasmine Ghezali	Chiles	Amand Sligh
4fgBSC03	Essential Oils Relaxation	Olivia Phan, Jade Allison, Parthenia Sedarous	Citrus Park	Robert Graham
4fgBSC04	Does Color Influence Memory Retention	Rakshan Pandian, Nimalhan Praveen	Clark	Jaclyn Johnson
4fgBSC05	Memory Music	Anna Vaniukova, Stella Gitler, Scott Provencher, Max Plohotnichenko	Deer Park	Deandra Dean
4fgBSC06	Impressive Memory: Do Different Colors of Pictures affect Human Memory?	A'mya Brown, Xavier Arevalo	Ippolito	Lisa Hoban

Location	Project Title	Student(s)	School	Teacher(s)
4fgBSC07	Music to My Heart	Lacey Townsend, Emma Phillips, Aisha Attia	Turner Bartels K-8	Anthony Short
4vgBSC01	Sleeping with Saliva	Maddux Sujka, Amin Algerwi	Clark	Ronit Elkin
4vgBSC02	Why is My Cat Afraid of Strangers?	Olivia Bonin, Naomi Darriba, Caydence White	Colson	Laura Long-Greatorex
4vgBSC03	How Many People's Favorite Color Matches Their Favorite Skittles Flavor?	Carter Tuccolo, Daphne Dziedzic	Colson	Laura Long-Greatorex
4vgBSC04	Kindness Language	Krish Raval , Aayansh Rambhia	Hunter's Green	Cami Yow
4vgBSC05	Do Video Games REALLY Rot Your Brain?	Vishwajit Singa, Zachary Ziegler, Liam Hernandez, Ashanti Jones-Walton	Limona	Carmen Brushwood
4vgBSC06	Feeling Sleepy?	Carolina Pruitt, Harper Green	Lutz K-8	Tara Young
4vgBSC07	Blue Light Blinking	Anvi Gupta, Sara DeSouza	Pride	Maile Pettit
4vgBSC08	Crazy Color Mind Games	Beckett Luchies, Ryann Gaynor	York Innovation Academy K-8	Allison Luchies, Sarah Innocenti
• EARTH SPACE SCIENCE •				
4fgESS01	Dissolving Rocks	Emily Aviles, Aleya Briones	Lowry	Sara Berge
4vgESS01	Filtracion del agua	Nashley Perez Reyes, Esteffany Quiroz, Samantha Garcia, Kevin Hernandez	Crestwood Dual Language	Maria Lastra
4vgESS02	Too Much Water	Sylvia Massman, Riley Clay	Shore	Abby Sammons
• ENGINEERING •				
4fgENG01	Doggy Treat Flyer	Mia Polier Dominguez, Rubi Santos-Pacheco, Stephanie Martin, McKenzie Jaeger	Bellamy	Julie Gladden
4fgENG02	Milky Way to Sustainability: Plastic Reimagined with Casein Creations	Grace Cozzini, Leilani Tharrington	Hunter's Green	Elizabeth Faust
4fgENG03	Backpack Beeper	Hadley Herczeg, Selena Nasser	Limona	Carmen Brushwood

Location	Project Title	Student(s)	School	Teacher(s)
4fgENG04	Most Effective Golf Ball	Liem Derakhshan, Graham Pacana	Lithia Springs	Shannon Carter
4fgENG05	Strong Bridges	Janita Bibin, Emmeline Murasaki	Lithia Springs	Shannon Carter
4fgENG06	Operation: Stop the Flooding	Veer Goyal, Anushya Srinivasan	MacFarlane Park	Leila Kanzer
4fgENG07	Bridge Builder	Zane Greene, Lily Greene	Mitchell	Gayle Lambert
4fgENG08	Water Purification of Dirty Water	Meera Jangada, Krishna Bhandare	Pride	Maile Pettit
4fgENG09	Don't Get Wind Blown!	Colson Sturwold, Emily Hettinger	York Innovation Academy K-8	Laura Jones
4vgENG01	How to Make a Homemade Water Filter	Alivia Basile, Emma Ruiz, Kishan Sugrim	Limona	Valerie Harmon
4vgENG02	How Does the Shape of the Paper Affect the Strength of a Bridge?	Bella Flecha, Jalcia Hester	Mintz	John Tierney
4vgENG03	Feel the Breeze	Ansley Judah, Kadience Joyner, Ryker Mullenix	Springhead	Lisa Jones
4vgENG04	Let the Heat Flow	Athena Corrales, Cora Fowler	Springhead	Lisa Jones
• INVENTIONS •				
4fgINV01	Can we invent a way to keep our food warm while camping?	Eric McKenzie, Felix Garlobo Garcia, Michael Lorenzo Spalding, Joncarlos Puig	Alexander	Daisy Alvarez, Kylie Piche
4fgINV02	Condensation Determination	Melanie Boskovski, Fiona Harper, Chidera Onicha, Angel Tran	Dawson	Isabel Lera
4fgINV03	Unspillable Cup	Michael Gonzalez Febres, Gatlin Bullard	Dawson	Isabel Lera
4fgINV04	The Triple Swing	Willow Blair, Aubrey King	Lowry	Sara Berge
4fgINV05	Folding Clothes Machine	Anvee Jadhav, Sahasra Chippa, Nihit Girkati, Khadija Zouari	Pride	Helen Berger
4vgINV01	Better Cleaning with Bristle Bot	Janai Bonner, Natalia Patino	Buckhorn	Amy Folsom
4vgINV02	Magic Moving Piggy Bank	Janilyssa Feliciano, Lydiana Bunch	Chiaromonte	Laura Mercer
4vgINV03	Throwing Out Litter	Connor Goltry, Kian Bonifield	Cimino	Jan Correll, Kimberly Palmer

Location	Project Title	Student(s)	School	Teacher(s)
4vgINV04	No Fur on the Clothes	Roxanne Bradley, Avery Lain	Cimino	Jan Correll, Kimberly Palmer
4vgINV05	CreamShi: Dessert Sushi	Audrey DePappa, Reagan Hamilton	Gorrie	Javier Berrios
4vgINV06	SnugRug: Safe Play and Tummy Time Made Easy	Ariana Sims, Maya Sheyn	Hunter's Green	Elizabeth Faust
4vgINV07	Don't Lose Your AirPods!	Damien Alexander, Thomas Buschang	West Shore	Kendra Dorton
• LIFE SCIENCE •				
4fgLSC01	How Does Trans Fat Affect the Health of Our Organs?	Nathalia CarToya, Marianna Mendoza	Bryan Plant City	Ms. Ways-Martinez
4fgLSC02	Water Me, Water Me	Rowan Smailes, Nolan Verzosa	Cimino	Jan Correll, Kimberly Palmer
4fgLSC03	Plants & Water	Cecilia Weaver, Dominik Chrzastek	Citrus Park	Taryn Mount
4fgLSC04	Planting With Wicked Waters!	Trisha Khadilkar, Iza Hendry, Rosie Barnhill, Makenna Myrick	Deer Park	Deandra Dean
4fgLSC05	Tank to Table: Exploring Fish-Fueled Hydroponics	James Cattoi, Andrew Ortega	Hunter's Green	Elizabeth Faust
4vgLSC01	Which Soil Helps Seeds Grow More?	Adrian Pham, Kasen Shonder	Cannella	Krystina Morgan
4vgLSC02	The Nose Knows	Hannah Massicotte, Sri Aadya Jakamukala, Muzamel Halini, Victoria Lavelle	Chiles	Amanda Sligh
4vgLSC03	Does the different brand of gum affect how long the flavor lasts?	Eli Martineau, Wyatt Buethe, Colin Vanderkodde	Hammond	Sally Smith
4vgLSC04	Sugary Excitement	Aeris Misztak, Emaya Engram	Ippolito	Joseph Hinds-Boseman
4vgLSC05	Let's Get Planted!	Avary Groll, Jasritha Gorantla	Lowry	Leann Rodriguez
4vgLSC06	Bunny Care	Daphne Chinique, Kalena Feblea	Town and Country	Sara Woeltjen, Nicole Angelo
4vgLSC07	Gardening Without Soil	Riya Akkasani, Sasrika Buddiga	Valrico Lake Advantage Academy	Sarah Cain , Cameron Patisaul
• MATH, COMPUTERS, CODING •				
4fgMCC01	Coding Mice on Different Surfaces	Anthony Ramirez, Jaicelyn Watson, Sofia Townsend, Dariel Moreno Nieves	Belmont	L. Pereira

Location	Project Title	Student(s)	School	Teacher(s)
4fgMCC02	STEP IT UP	Almog Stanzas, Meera Mishra, Suhani Misra	Bevis	Cara Seibert
4fgMCC03	Dime-on in the Rough	Ethan Richard, Jaden Portreall, Joshua Louis	Bible Truth	P Leslie
4fgMCC04	No Littering	Jamie Martinez, Brandon Cherry	Cimino	Jan Correll, Kimberly Palmer
4fgMCC05	How is Math Used in the Real World?	Dawson Howard, Antonio Chavez	Colson	Laura Long-Greatorex
4fgMCC06	LEGO Speed Testimony	Liam Premraj, Dean Scott, Jastin Kokenda	Lutz K-8	Nicole Baldwin
4fgMCC07	Penny Puller	Aurora Giorgi, Margaret Labo, Mia Hernandez	Mort	Julie Huitt
4fgMCC08	Ramp Runner	Alejandro Perez-Gomez, Angelo Ortiz, Kalev Rodriguez Torres	Mort	Julie Huitt
4vgMCC01	Boats vs. Pennies	Thomas Destremps, Fedor Ladyzhenskii, Annika Chase-Sosnoff, Sophia Robles	Deer Park	Deandra Dean

• PHYSICAL SCIENCE - ENERGY •

4fgPSE01	Optical Illusion	Meera Adwan, Linda Shahrour, Joann Ibrahim, Ayana Zaidi	American Youth Academy	Dina Abdin
4fgPSE02	How does the height of a ramp affect the time it takes an object to travel across the floor?	Julia Lindsay, Jalissya Henry	Anderson	Lisa Digangi
4fgPSE03	Lemon Vs. Potato Energy	Abdullah Ismail, Bilal Ali	Bayaan Academy	Safa Ibrahim, Raghad Soboh
4fgPSE04	The Sound of Silence	Veronica Stanislas, Isaac Palacios, Oliver Gardner, Alejandro Hernandez	Bellamy	Julie Gladden
4fgPSE05	Coding Mice on Different Surfaces	Shawn Williams, Paige Bingheim, Charlize Harden, Jay Redondo	Belmont	L. Pereira, L. Sanders
4fgPSE06	Freezing Hot Baseballs	Carson Anderson, Nathan George, Jacob Martino	Bryant	Eric Miller
4fgPSE07	Which Football Tee Is Best For Kicking Field Goals?	Konstantin Gabrielides, Aston Presiga, Dilan Contractor	Carrollwood Day School	Lana Vargo, Stephanie Rodriguez

Location	Project Title	Student(s)	School	Teacher(s)
4fgPSE08	Speed Racer	Brayden Eesley Bautista, Rajon Bunch, Israel Daniels	Chiaramonte	Laura Mercer
4fgPSE09	Heat Travels	Benjamin Letellier, Jet Wade	Claywell	Jennifer Versaggi
4fgPSE10	Great Gravity Race	Sinikka Jiminez, Anabelle Schrader	Claywell	Rebekah Howard
4fgPSE11	Fly High!	Brylee Fales, Mila Sicignano, Brianna Griffith	Cork	Paulina Wu
4fgPSE12	Rolling to Victory: Which Ball Goes the Distance?	Gianluca Agois, Wyatt Coxwell, Liam Dominguez, Matias Mazara Mena	Deer Park Dual Language	Louise Sorensen, Luz Fandino
4fgPSE13	"Pitch Perfect- Does String Size Strike the Right Note?"	Emma Bassatt Rivera, Penelope Polyakov, Gianni Islas - Ayala, Isabella Thompson	Dunbar	Brittany Bowles
4fgPSE14	"Tuned In- Exploring How String Size Affects Pitch"	Weston Nowakowski, Cameron Archer, Travaris Hampton , Kelvin Sampson	Dunbar	Brittany Bowles
4fgPSE15	Best Shoes for Jumping	Leonard Fuentes Rufin, Riley Rivera, John Ahern, David Eugene	Limona	Carmen Brushwood
4fgPSE16	Which Materials Trap the Most Heat	Jashon Jones Jr., Cimari Durr, Amiracle Mitchell	Lomax	Wanda McCreary
4fgPSE17	Watered Down No More	Isabella Moore, Rodrigo Gonzalez, Julianna Wilson, Caleb Moore	Maniscalco K-8	Jennifer Cox
4fgPSE18	Magnetic Fields	Lyla Miller, Aileen Vazquez, Amina Majors	Mintz	Amy Aubin
4fgPSE19	Plane and Simple	Jase Williams, Tristan Thakre, Shashank Vukoti	Riverhills	Michaela Lewis
4fgPSE20	All About Magnets	Milan Young, Zainab Graine, Austin Aungst, Valeria Garcia Echevarria	Schmidt	Erin Ellis
4fgPSE21	One Pitch At A Time	De'Andre Demons, Christian Trujillo-Otero, Jeremiah Gutierrez, Aryan Solis	Schmidt	Crystal Batista

Location	Project Title	Student(s)	School	Teacher(s)
4fgPSE22	How to Save Chocolate	Cavan Frierson, Joseph Middaugh	Temple Terrace	Emma Stallwood
4fgPSE23	Speed Cubing Showdown	Vincent Gao, Rypkin Faedo, Camden Perez-Reinaldo, Lucas Kamaris	Turner Bartels K-8	Anthony Short
4fgPSE24	Fun in the Sun	Maryam Ali , Laila Tarabishy	Universal Academy of Florida	Ezdihar Hussein , Abdallah Elalami
4fgPSE25	How PSI affects A Basketball	Jayson Burley, Nathan Loeffler, Jyel Ortiz, Michael Salas-Ortiz	York Innovation Academy K-8	Elexis Felix, Stacey Underwood
4vgPSE01	Popping Popcorn	Noah Baker, Priyon Jain, Tiago Izquierda-Zamara	Adum K-8	Rachel Mannion
4vgPSE02	Sound Through Cups	Samantha Acosta, Paola Acosta	Bellamy Dual Language	Briana Narvaez
4vgPSE03	Cotton Ball Travelers	Bianca Fuentes, Gabriela Ospina, Mya James	Cannella Dual Language	Brittany Burke, Eraine Armas Batista
4vgPSE04	Magnetic Force	Aiden Ramos, Greyson Rockwell	Chiaramonte	Laura Mercer
4vgPSE05	Step Up	Layla Louis, Adyson Lecornu	Claywell	Jennifer Versaggi
4vgPSE06	Gravity Drop Test	Mason Vickers Adams, Adrian Romero, Raphel Pablo	Cork	Allison Swol
4vgPSE07	Parachutes	Hailey Larkin, Madison White, Addison Vanvarenbergh	Cork	Allison Swol
4vgPSE08	Best Brand of Popcorn	Javier Craven, Sebastian Colon-Ochart, Veronica Apigo, Penelope Sanchez	Cypress Creek	Kate Ewing, Sydney Coronado
4vgPSE09	Roller Coaster Distance	Alana Leeds, Jean Carlos Desantis	Davis	Haley Klaric
4vgPSE10	Which Pitch will Cause More Motion?	Maleeya Morre, Raynel Sario Ceballos, Aramania Robinson	Essrig	Karen Miller
4vgPSE11	Solar-power Oven	Artemij Platonov, Theodore Pantelev	Gorrie	Javier Berrios

Location	Project Title	Student(s)	School	Teacher(s)
4vgPSE12	How does the type of potato affect the amount of energy it can store/produce?	Erin Boze, Isla Rohe, Myra Childs	Heritage	Dan Sturlaugson
4vgPSE13	We Move the Buildings!	Emelie Port, Jensen Shore	MacFarlane Park	Leila Kanzer
4vgPSE14	FAN-Tastic	Isabella Gonzalez, Melanie Ramos, Nicole Morales	MacFarlane Park	Rasheedah Chatman
4vgPSE15	Coolest Ice In Town	Giulianna Rogers, Luke Padron, Charlie Finn, Wilbert Deleon Almanzar	Maniscalco K-8	Jennifer Cox
4vgPSE16	Fancy Ice	Jake Stephens, Isabella Diaz Lopez, Carlos Argueta-Martinez, Raileigh Lanzetta	Maniscalco K-8	Jennifer Cox
4vgPSE17	Dazzling Decibels	Legend Albury, Aleena Serrano, Brynnlee Rogers	McDonald	Alexis Schroeder
4vgPSE18	Something Speedy	Eliana Antwi, Alonda Vazquez Palacios	McDonald	Alexis Schroeder
4vgPSE19	How High Can It Go?	Hunter Wilson, Cooper Holland	Mitchell	Gayle Lambert
4vgPSE20	Does It Matter?	Harrison Hisler, Asher Wetzork	Mitchell	Gayle Lambert
4vgPSE21	Sun to Power	Aarna Lakhena, Harini Machavarapu, Saanvitha Palle, Saanvi Samudrala	Pride	Maile Pettit
4vgPSE22	Ramp It Up!	Soniah Destine, Keymonie Sailor, Mia Reynoso	Riverhills	Michaela Lewis
4vgPSE23	Bubble Trouble: Dissolving Alka-Seltzer	Chauncey Lovett, Makhyla Dale	Riverhills	Sofia Bove
4vgPSE24	Does the surface affect the distance a toy car travels?	Ava Shubert, Monserrat Cardenas, Salina Stevenson, Cecilia Perez Dominguez	Riverview	Ashleigh Menotti
4vgPSE25	Get a Grip	Hadley Wilbur, Zoey Domokos	Turner Bartels K-8	Anthony Short
4vgPSE26	Keeping It Warm	Elianna Hiner, Kiara Rios	Woodbridge	Carol Evans

Location	Project Title	Student(s)	School	Teacher(s)
• PHYSICAL SCIENCE - MATTER •				
4fgPSM01	Water Essence of Life	Hamza Juma, Muhammad Elnagar	Bayaan Academy	Safa Ibrahim, Raghad Soboh
4fgPSM02	Dirty Money \$	Dayliah St. Gerlus, Bernice Dorvilien	Bible Truth	P Leslie
4fgPSM03	Does the Flavor of Ice Cream Affect the Time it Takes to Melt?	Riley Dawson, Emma Reul	Bryant	April McElroy
4fgPSM04	Thinnest vs. Thickest	Daphne Valdiviezo, Ebrian Valdiviezo	Buckhorn	Kristin Holt
4fgPSM05	Science Of Slime	Vivian Illas, Sloan Newell, Maddie McCormick	Carrollwood Day School	Lana Vargo, Stephanie Rodriguez
4fgPSM06	How Does the Type of Container Affect Ice Creams Melting Time?	Mia Rogers, Khloe Navarro	Carrollwood K-8	Anna , Melgaard
4fgPSM07	How does the shape of the roof affect the performance during a hurricane?	Siddhartha Bhar, Max Qian	Chiles	Denise Mcilwaine
4fgPSM08	Does the acidity of the liquid effect the rate limestone (chalk) will deteriorate?	Keegan Smith, Kaiden Marcot, Thomas Moser	Clark	Ronit Elkin
4fgPSM09	Dissolving Oreos!	Bristol Blackwell, Avery Reyerse, Jackson Boret	Cork	Paulina Wu
4fgPSM10	Pencil vs Block- The Great Erase!	Emilia Barrera-Espinal, Victoria Tarqui Fermin, Emma Chan, Matthew De Los Santos	Deer Park Dual Language	Louise Sorensen, Luz Fandino
4fgPSM11	Slime It!	Tanvi Domala, Mariana Rocha-Pinto	Heritage	Deborah Green
4fgPSM12	Pop, Pop, Pop! Which brand is on top?	Shayla Miles, Monroe Guincho	Heritage	Deborah Green
4fgPSM13	How does the cost of slime materials affect the quality of the slime?	Isabella Remedios , Lauren Torres Riveron , Daniela Cartagena Madrigal	Lake Magdalene	Trevor Ferguson
4fgPSM14	How does the thickness of a paper airplane affect how fast it can travel?	Jaxon Higgins , Seth Canon-Tate	Lake Magdalene	Trevor Ferguson
4fgPSM15	How does the amount of glue affect the stretchiness of slime?	Shanaiya Regnis, Avery Gould	Lewis	Christian Simmons
4fgPSM16	Which One Melts?	Nathaniel Lum, Kyndall Roach, Dalasja Ceasar	Lomax	Wanda McCreary
4fgPSM17	Shine Bright Like a Penny	Audrey Powers, Dylan Crook, Emma Hautsch	Lutz K-8	Tara Young

Location	Project Title	Student(s)	School	Teacher(s)
4fgPSM18	The Splash Clash	Grayson Copeland, Isla Pask	MacFarlane Park	Leila Kanzer
4fgPSM19	Smear Be Gone	Fedora Kamga, Makeda Gustave, Liz Dominguez Parada, Alex Zambrano	Maniscalco K-8	Jennifer Cox
4fgPSM20	Go Long!	Brody Walker, Rhys Overmyer, Barron Cooper	McKitrick	Carey Orihuela
4fgPSM21	Sink or Float	Ester Figueroa Cano, Majerle Kelley, Alysson Padron	Mintz	Amy Aubin
4fgPSM22	Roller Skates	Coco D'Antonio, Charley Clay	Mitchell	Gayle Lambert
4fgPSM23	Does the wingspan on an airplane affect the distance it travels?	Tanisha Saha, Christian Batista, Arya Mobsby	Northwest	Heather Jones
4fgPSM24	Baking with Flour	Mia Restaino, Emma Carson Futch	Roosevelt	Annie Holtrup
4fgPSM25	Popcorn Brands	Cason Monthie, Gunnar Garcia	Roosevelt	Charles Lowry
4fgPSM26	Which brand of eraser erases best?	Blakely Stuntz, Julia Postler	Tampa Palms	Sue Weinstein
4fgPSM27	Egg-cellent Floating	Madhavan Kaushik, Arvy Patwari	Tampa Palms	Stephanie Feeney
4fgPSM28	Saving an Apple	Melody Serrano, Yadiel Rojas	Temple Terrace	Emma Stallwood
4fgPSM29	Magnets... Hot or Cold will work?	Emma Harris, Bryan Truong, Belen Mendoza	Trapnell	Danielle Baumgardner
4fgPSM30	Paper Towel Brand Battle	Liam Watson, Allison Rhine	Valrico	Kelly Brocato, Stacie Hall
4vgPSM01	La Absorcion de Toallas de Papel	Maykol Gomez, Edward Baldrich, Eriel Hernandez	Bellamy Dual Language	Briana Narvaez
4vgPSM02	Chocolate melting	Amaya Guzman, Jesalynn Quintana, Madison Villegas	Cannella Dual Language	Brittany Burke, Eraine Armas Batista

Location	Project Title	Student(s)	School	Teacher(s)
4vgPSM03	Does Changing the Type of Water Affect the Speed in which Ice Cube Melts; Spring, Purified or Tap Water?	Jiya Patel, Lauren Gonzalez	Carrollwood K-8	Anna , Melgaard
4vgPSM04	How does temperature affect the shape of crystals?	Emma Marsh, Charlotte Zang	Chiles	Denise Mcilwaine
4vgPSM05	Solar Oven	Hanif Shaik, Arya Pulicherla, Siddharth Sivasthic	Clark	Ronit Elkin
4vgPSM06	Makeup Madness - The Durable Debate	Aubrie Freeman, Audrey Lopez	Claywell	Jennifer Versaggi
4vgPSM07	Fantastic Plastic!	Mirna Estrada, Victoria Trinh, Chau Vu	Crestwood	Jonna Jack
4vgPSM08	Strongest Paper Towel	Demetris Russell, Angelo Cox, Cristyn Mitchell	Cypress Creek	Brooke Gruber
4vgPSM09	Soccer Balls	Murilo Moreira, Emanuel Marquez, Juanmiguel Jaimes, Kayden Jaimes	Davis	Haley Klaric
4vgPSM10	The Great Melt-Off!	Luke Studer, Thiago Romero, Andres Moya, Mathias Dominguez	Deer Park Dual Language	Louise Sorensen, Luz Fandino
4vgPSM11	Mission Possible: Does Ground Type Affect Mouse Navigation?	Miranda Jimenez-Saavedra, Gia Murillo, Evolet Prieto-Alfonso	Deer Park Dual Language	Louise Sorensen, Luz Fandino
4vgPSM12	Does Water Temperature Affect Magnetism?	Jorynn McDaniel, Jaxon Kirkendall, Jaiza Ortiz, Kylee Castillo	Essrig	Karen Miller
4vgPSM13	Will It Snap?	Kaelani Castillo , Braelee Davis , Aria Lewis	Graham	LaTanya Christopher
4vgPSM14	Shiny Pennies	Angeline Pupo-Herrera, Jaeda Perkins, Journee Brown	Ippolito	Joseph Hinds-Boseman
4vgPSM15	How does the temperature affect a magnet?	Mason Warren, Emely Lopez Saenz, Brooklyn Martinez	Kingswood	Celeste DeBose
4vgPSM16	How does the sun affect how fast a Crayola marker will dry out?	Valentina Valentin, Savannah Brooks, Stephany Cao Denis, Eva Gomez-Lopez	Lake Magdalene	Trevor Ferguson

Location	Project Title	Student(s)	School	Teacher(s)
4vgPSM17	How can exposing a marker to different liquids cause it to no longer work?	Raina Coulter, Sahara Roque	Lake Magdalene	Trevor Ferguson
4vgPSM18	High Bounce	Messiah Kelly, Ted Francis, Aahri Green	Lomax	Wanda McCreary
4vgPSM19	Pump It Up!	Lawson Ricketson, Carter Green, Elohim Alvarado-Romero	Lutz K-8	Tara Young
4vgPSM20	Super Slime	Mia Levy, Maite Eliasquavitch	McKitrick	Kathleen Ciccarello
4vgPSM21	Which Boat?	Fabian Menendez, Adriel Guerra, King Kelley, Vincent Guevara	Mintz	Amy Aubin
4vgPSM22	Growth of Grow Creatures Using Different Liquids	Aaron Marin Pena, Pamela Gonzalez, Lyahna Ortega, Brendy Osorio	Muller	Grace Hungerford
4vgPSM23	The Cookie Debate	Emma Cox, Jomeiry Brito, Isabella Lopez-Flores	Oak Grove	Kristen Mahlum
4vgPSM24	Stretchy Slime	Jordanna Ocasio, Lily Reed, Zayla Bolds	Shore	Madison Catherman
4vgPSM25	Dry and Done	Lizelle Menezes Vicente, Hannah Collins	Turner Bartels K-8	Anthony Short
4vgPSM26	How do different substances affect a grow creature?	Faizah Nsereko, Aaliyah Martinez, Isabella Betancourt, Bella Hernandez	Twin Lakes	Lee McVay
4vgPSM27	Spongebob Water Absorbent	Lilly Dihel, Cayden Page, Alice Vandiver	York Innovation Academy K-8	Kelley Kudia

ELEMENTARY DIVISION • GROUP PROJECTS • FIFTH GRADE

• BEHAVIORAL SCIENCE •

5fgBSC01	A.I. Domination - Don't Get Fooled by Computer Manipulation	Rami Al-Abdullah, Michael Davila, Clayton Weitz	Bevis	Circe MacDonald
5fgBSC02	Calm Down	Annisa Nayee, Aryana Desai	Carrollwood Day School	Stephanie Rodriguez, Lana Vargo

Location	Project Title	Student(s)	School	Teacher(s)
5fgBSC03	How does the age of a human effect if they can tell the difference between a digital and an AI generated photo?	Kaitlyn Reeves, Alec Biernacki	Chiles	Denise Mcilwaine
5fgBSC04	Go Bold or Go Home!	Mehar Rayani, Eliana Oliva, Alyssa Popova	Deer Park	Tina Pipp
5fgBSC05	Dialing for Delay	Bianca Godoy-Lopez, Arya Orellana	Lutz K-8	Tara Young
5fgBSC06	Sorry, Can't Hear You!	Abby Elmer, Aliya Goodwin, Sophia Jabaut	Lutz K-8	Tara Young
5fgBSC07	Balancing Act: Exploring Dominant vs Nondominant Leg Throughout the Day	Catalena Figueroa, Miya Takemori	MacFarlane Park	Catherine Jones
5fgBSC08	The Balance Challenge: How Fatigue Affects Stability	Mia Castillo, Loralina Gomez, Trinity Lightbourne	MacFarlane Park	Catherine Jones
5fgBSC09	Musical Beats	Ari Cadd, John Watts, Andrew Dominguez, Jasmine Williams	Maniscalco K-8	Jennifer Burnette
5fgBSC10	Candy Rush Reaction	Derek Montilla, Xavi'on Velez	Mintz	Nikki Velez
5fgBSC11	I'm so Dizzy!	Tripp Shelton, Jencarlo Soto	Seffner	Dayna Koch
5fgBSC12	Get your Heartrate Up!	Mar'Kayla Covington, T'liyah Johnson, Janiyah Watson, Jade Flores	Seffner	Dayna Koch
5fgBSC13	How Does Age Affect the Ability to Taste Salt?	Georgia Wissler, Avery Williams	Lowry	Genevieve Adams
5vgBSC01	How well do people know AI images against real images?	Jahanna Forbes, Emily Tabakian, Lucas Griffith, Lailah Mosquera	Chiles	Alexis Margulis
5vgBSC02	Rapid Reading Rhythm!	Isabella Carreon, Lee Bylund	Deer Park	Tina Pipp
5vgBSC03	What Video Games are Best for Kids?	William Cottrell, Aubrey Bassett, Evan Katz	Gorrie	Javier Berrios
5vgBSC04	Kids' Preference	Kaylee Parker , Hailey Raad , Megan Haught	Hunter's Green	Cami Yow
5vgBSC05	Maximum Concentration: Does the Volume of Music Affect Concentration?	Ebdiel Cruz-Colon, Rio Tomlinson	Ippolito	Lisa Hoban

Location	Project Title	Student(s)	School	Teacher(s)
5vgBSC06	Drawn to Remember	Gabe McLaughlin, Julia Johnson	Lutz K-8	Tara Young
5vgBSC07	Layers In Dress to Impress	Tristan Gagne, Ebanyeli Ferreira	Mintz	Nikki Velez
5vgBSC08	Does Listening to music while studying help on a memory Test?	Jamie Gomez, Mia Roldan	Woodbridge	Laura Fussner
• EARTH SPACE SCIENCE •				
5fgESS01	Landslide	Kelsey Crosswell, Kayden McLellan, Massiel Orozco-Sancho	Mintz	Nikki Velez
5fgESS02	Flooding Walls	Alyse Roberts, Gianna Schreyer	York Innovation Academy K-8	Pamela Vasquez
5vgESS01	Settling Sediments	Eric Kallarackal, Colton Henshaw, John Michael Van Hoover	Buckhorn	Jacey DiBenedetto
5vgESS02	Erosion de la Tierra	Maria Hernandez, Essined Gutierrez	Crestwood Dual Language	Marleni Puente
5vgESS03	How does the mass of a rocket affect the distance it travels?	Jorge Tepetate, Heyab Semeane, Kelvin Lopez Sanchez	Robinson	Katelyn Williams , Keysha Simmons
• ENGINEERING •				
5fgENG01	What Makes a Good Fragrance?	Amir Rabah, Yaseen El-Shaafi	American Youth Academy	Asma Taha
5fgENG02	Catch Some Air	Jayden Webster, Torrey Collier, Lamonte Gates, Johnathan Gordillo-Morales	Bryan Plant City	Ms, Ranker
5fgENG03	How Does Wing Design Affect the Distance an Airplane Travels?	Brycen Corriveau, Leslie Garcia, Lucas Toole, Abigail Smith	Bryan Plant City	Ms. Terrazas
5fgENG04	WIFI Disruptors: Different Materials Affecting WIFI Speeds	Varun Garjar, J osh Mastyskarz	Bryant	Tom Siebel
5fgENG05	Electromagnetic Induction	Johan Nellickal, Subhaneshika Sivasubramanian, Kavya Sardesai, Johanna David	Clark	Ronit Elkin
5fgENG06	Crashing Columns	Caroline Brown, Nailet Rodriguez	Claywell	Kelly Colucci, Krysten Hurman

Location	Project Title	Student(s)	School	Teacher(s)
5fgENG07	Popsicle Bridge	Charles Heberlein, Olive Blackburn	Limona	Max Petrosino
5fgENG08	Boat Weight	Linyao Chen, Zairean Nowrose	Lithia Springs	Shannon Carter
5fgENG09	The Sandbag Showdown	Mark Stephen Hackworth, Ezra Feinman, Zein EL-Gammel	Mitchell	Gayle Lambert
5fgENG10	O.R.C.A. - Ocean Robots Collection Administration	Kaydyn Mack, Aris Isaac	Pride	Katelyn Pope
5fgENG11	Paper Airplanes	Troy Dinh, Gabriel Garza	Trapnell	Douglas Hunt
5fgENG12	How does the amount of rubber bands affect the distance a ping pong ball can travel when shot out of a cardboard rubber band powered cannon?	Chris Calvin, Filip Ivanovic, Peter Brei, Rostyslav Rodintsov	Turner Bartels K-8	Jennifer Livornese
5fgENG13	Hurricane Material	Reyad Mahmoud , Loqman Farrag, Rami Hamed	Universal Academy of Florida	Ezdiyar Hussein , Abdallah Elalami
5vgENG01	The Catdominium	Annalise Arroyo, Harmony Johnson, Tymiya CaShaw, Lucy Rolando	Lomax	Jennifer Fruchey
5vgENG02	Inspiring Artists	Samantha Yanez Cuervo, Jordyn Walker, Daphne Walker	Maniscalco K-8	Stacy Summers
5vgENG03	Yuki's Maze- An Engineering Enrichment Design for our Class Hamster	Alianna Miller, Baoylet Cacho, Zadie Vasquez, Julianna De Los Santos	Mendenhall	Kimberly Long
5vgENG04	Code Gamers	Vian Savanagiri, Vishnucharan Prasath, Sharan Sureshkumar	Pride	Jennell Graham
5vgENG05	The Brilliant Birdhouse	Matilda Hitt, Freya Mewada	Pride	Katelyn Pope
5vgENG06	Building a Circuit to automatically water plants	Ariana Collins, Giliana Rodriguez	Valrico Lake Advantage Academy	Sarah Cain , Cameron Patisaul
• INVENTIONS •				
5fgINV01	The Equalizer	Connor Bell, Salomon Cermeno Carrascal	Chiaramonte	Laura Mercer
5fgINV02	Spoons Galore!	Emma Grange, Harper Hamilton, Creedence Richardson	Gorrie	Javier Berrios

Location	Project Title	Student(s)	School	Teacher(s)
5fgINV03	Who let the Dogs Out?	Nikolai Modeste, Mako Usher	Hunter's Green	Christie Hampson
5fgINV04	How Does Parachute Size Affect Falling Time?	Piper Mecham, AvaLee Gucciardo	Lowry	Genevieve Adams
5fgINV05	Catapult Basketball	Harrison Perkins, Krish Tiwari	Pride	Lindsay Green
5fgINV06	Pocket Art Supplies	Joanna Mick, Zoe Barlei	Roland Park K-8	Devyn Millyard
5fgINV07	Cool or Warm? How 'bout Both?	Srinika Gandluri, Luiza Valdez	Roland Park K-8	Devyn Millyard
5fgINV08	Shoe Shield	Natalie Feltham, Isla Pinder	Roosevelt	Patrick Lampasso
5fgINV09	Clipper Gripper Worker	Harper Grabon, Brooke Thomas	Roosevelt	Mandee Kane
5fgINV10	Squeeze, Crunch, Relief Dog Toy	Anabelle Oakes, Lillie Richards	York Innovation Academy K-8	Pamela Vasquez
5vgINV01	Electronic Backpack Mover - Robopac	Gideon Flink, Iriyaan Paynter	Adum K-8	Ashley Ritchie
5vgINV02	Durable Dog Toy	Maddy Didato, Tucker Mckendree	Cimino	Jan Correll, Marianne Damaio
5vgINV03	Comfy School Chair	Leighton Woody, Sloane Donaruma	Cimino	Kimberly Palmer, Madison Bird
5vgINV04	TrashBot	Paulo Gonzalez, Lily Fae Mills, Harini Kalanjeri	Lutz K-8	Tara Young
5vgINV05	Candle Terminator	Charles Linhart, Dominic Ciaramella	Roosevelt	Jennifer Ellis
5vgINV06	The Pollution Picker Upper	Jalen Rolle, Leah Pantoja, Rylan Jameson	Springhead	Alexis Hoyle
5vgINV07	Our Artificial Scabs	Sophia Moreno, Savanah Pacelli	Tampa Palms	Stephanee Long
5vgINV08	UV Detector Glasses	Greyson Carranza, Wesley Coleman, Drew Jones	West Shore	Alexis Richmond
• LIFE SCIENCE •				
5fgLSC01	Soft Skin Showdown: Which Lotion Works the Hardest?	Orianna Arias, Olivia Collins	Ballast Point	Kallie Freiner
5fgLSC02	Let's "C" - An Investigation of Vitamin Reduction in Vegetables	Mahi Shrivastava, Gia Sportsman	Bevis	Circe MacDonald

Location	Project Title	Student(s)	School	Teacher(s)
5fgLSC03	Germology 101: Class Is In Session	Arjun Patel, Anay Dalsania	Carrollwood Day School	Stephanie Rodriguez, Lana Vargo
5fgLSC04	How does the amount of laps you run affect how good you are at math?	Sophie Kennedy, Margaret Lewandowski	Chiles	Denise Mcilwaine
5fgLSC05	How Different Water Types Affect Plant Growth	Yash Patel, Jack Sueling	Corbett Preparatory School	Gery Morey
5fgLSC06	Plant Light	Aseda Owusuwaa- Owusu, Nadia Palmer	Cypress Creek	Adam Kloper
5fgLSC07	Weathering the Storm: How Do Types of Storm Water Affect Wood Drying Time?	Riaan Shenoy, Santiago Ferrebus-Araujo	Deer Park	Tina Pipp
5fgLSC08	What types of water benefit the growth of a plant the most?	Piper Daniels, Kendra Locklear, Jassie Duong	Essrig	Laurie Cagle
5fgLSC09	Which exercise gets your heart pumping the fastest?	Savannah Lusk, Romi Racine	Essrig	Laura Bucklew
5fgLSC10	Browning Apples	Abner Smith, Jacob Simmon	Hunter's Green	Yvonne Vasquez
5fgLSC11	Which fruit breaks done the quickest?	Ka'nyi Dominique, Deontae Sharp	Lewis	Andi Hastings
5fgLSC12	Does the Type of Liquid Used to Germinate a Plant Affect How Quickly It Germinates?	Arav Dange, Aarav Naiknavare	Lincoln	Angela Valdivia
5fgLSC13	Caffeinated Plants	Hasya Tirumani, Anaya Vazquez, Arianna Hernandez-Gutierrez	Muller	Kothai Jayabhalan
5fgLSC14	How does the force of water affect the amount of sand erosion?	Zoe Farmer , Victoria Spradlin , Bellajo Sands	Robinson	Katelyn Williams , Keysha Simmons
5fgLSC15	Does the position of a plant affect its growth?	Elena Fuller, Jeremih Cruz, Juliana Hernandez	Twin Lakes	Pamela Diaz
5fgLSC16	The War of Water	Yamiel DeJesus, Luke Pulcifur	Valrico	Bradley Jackson
5fgLSC17	How is plant growth affected by how much water is receives?	Leah Brooks, Shayla Dionson	Valrico Lake Advantage Academy	Sarah Cain , Cameron Patisaul
5vgLSC01	Sporting Pulse: Analyzing Heart Rate Variations Across Different Physical Activities	Benjamin Melone, Jacob Asher Kraus	Deer Park	Tina Pipp

Location	Project Title	Student(s)	School	Teacher(s)
5vgLSC02	Egg Disaster	Phoenix Shaver, Max Calim	Mitchell	Amanda Dougan, Sydney Gibbs
5vgLSC03	Colorful Rays	Dhanishiya Vinil, Emily Barreras, Catalaya Navarro	Oak Grove	Yarileeza Garcia
5vgLSC04	Beat of Your Heart	Jair Balark, Steven Hines, Isaiah Singleton	Temple Terrace	Kristen Martinez
5vgLSC05	Stretch it Out	Brooklynn Trujillo- Watson, Jamelia Edwards	Temple Terrace	Naomi Frierson
• MATH, COMPUTERS, CODING •				
5fgMCC01	How does the type f surface affect the accuracy of the Sphero Ball?	Na'Sjay McDuffie, Andre Garica-Cruz	Ippolito	Michael Cullen
5fgMCC02	Don't Interrupt Me!	Alejandro Berrios Mancia, Angelina Gomez Lopez, Christopher Perez- Gomez, Shawn Allen	Mort	Julie Huitt
5vgMCC01	In the Driver's Seat	Damien Pena, Bryan Dupree, Dontell Harris	Lockhart	Gianna Alessi, Megan McGregor
5vgMCC02	Wifi Wonders	Liam Baker, Kahsay Jones	Maniscalco K-8	Stacy Summers
• PHYSICAL SCIENCE - ENERGY •				
5fgPSE01	Spaghetti Bridges	Owen Fleisher, Leo Pham, Gabe Phillips	Adum K-8	Amy Hauser
5fgPSE02	A Sticky Situation	Brielle Pickens , Famke Van Vuuren	Ballast Point	Michela Guariniello
5fgPSE03	Deflecting Static Discharge	Foster Bonilla, Edward Matar	Bryant	Tom Siebel
5fgPSE04	Position vs. Distance	Valissa Matias, Asha Lee, Ce'Nae Everett	Cannella	Robin Swenson
5fgPSE05	Magnet Racer	Clover Sablan, Xean Zyrrus Valenzuela, Courtney Cobb, Nekaybaw Weeler- El	Chiaromonte	Laura Mercer
5fgPSE06	Bounce, Bounce, Thud	Carly Harper, Mariana Hernandez	Citrus Park	Andrew Hoose
5fgPSE07	High Flying Fun	Jude Paine, Livia Oliveira	Citrus Park	Taryn Mount

Location	Project Title	Student(s)	School	Teacher(s)
5fgPSE08	Suspension Bridge	Brody Krivan, Kayla Erwin	Clark	Ronit Elkin
5fgPSE09	Smooth Sailing	Samuel "Austin" Snow, Braxton Steitz, Tyler Wood, Jacob Zuraski	Dawson	Alicia Jones
5fgPSE10	Hitting Dingers	Tesfaye Waters, Elijah Reyes, Marcos Posada-Rodriguez	Egypt Lake	Courtney Marciniak
5fgPSE11	The Rise of the Wind Tunnel	Jason Ye, Alexis Wolters	Fishhawk Creek	Barbara Tucker
5fgPSE12	Which charger charges an iPhone the fastest?	Huda Outazoult, Leah Torres	Lewis	Andi Hastings
5fgPSE13	Can You Hear Me Now? Does Our Ability to Hear Different Frequencies Change at Different Ages?	Kenedee Auricchio-Stephens, Cortlyn Fisher	Lincoln	Patrick LaPointe
5fgPSE14	How Does the Type of Paper Airplane Affect the Distance a Paper Airplane Travels?	Asher Pavli, Andrew Iacono	McKitrick	Breann Alderman
5fgPSE15	Sweet Spread Science	Clara Williams, Siena Lee	Mitchell	Tara Pyle
5fgPSE16	Balloon Explosion	Paris Hamlett Pollard, Jasmin Acevedo	Nelson	John Honey
5fgPSE17	How does the length of a wire in a circuit affect the brightness of a bulb?	Sadie Wright , Ryleigh Martin, Johanelys Diaz-Gonzalez, Jaden Cleaves	Robinson	Katelyn Williams , Keysha Simmons
5fgPSE18	Insulator Showdown	Alexander Komahe, Alexander Julue	Schmidt	Catherine Lucas
5fgPSE19	Ice Cold Drinks	Ze'Shon Spencer, Brock Washington	Schmidt	Catherine Lucas
5fgPSE20	Does the brand of cup affect how well it insulates?	Lucas Perez, Owen Myers	Tampa Palms	Sue Weinstein
5fgPSE21	Does the angle the ball was launched affect the distance traveled?	Princeton Parkes, Jayden Orenco Cortes	Turner Bartels K-8	Kellie Delgado
5fgPSE22	Go Speed Racer, Go!	Alexa Rosales, Tyler Sigel, Arabella Vargas	Wilson	Tricia Craig
5fgPSE23	Will It Go The Distance!!	Amy Turcios, Abigail Zambrano	Wilson	Tricia Craig
5vgPSE01	Does the size of the marble affect the distance it moves a cup in a marble roller coaster?	Victor Abreu-Aguasvivas, Caleb Irwin	Alexander	Medely Aviles

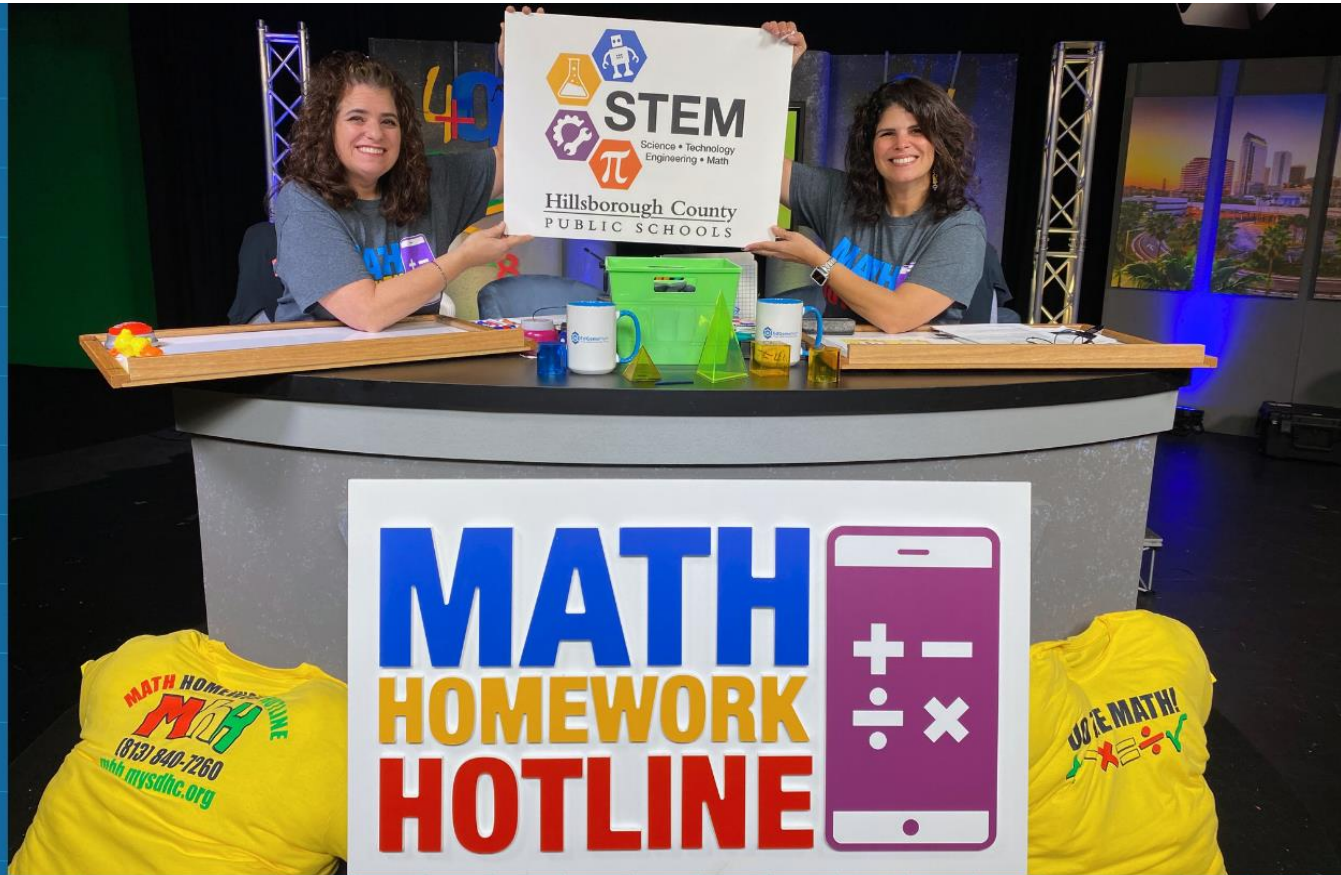
Location	Project Title	Student(s)	School	Teacher(s)
5vgPSE02	Ro Bros.	Nasir Seymore, Davon Atkins, Marcellino Vaz	Chiaramonte	Laura Mercer
5vgPSE03	How does different wheel size of a Lego robot affect how far it travels?	Connor Lake, Beckett Rodgers	Chiles	John Williams
5vgPSE04	"Ball"listic Soccer	Cash Olson, Grant Ruggiero, Alejandro Vazquez	Claywell	Kelly Colucci, Krysten Hurman
5vgPSE05	Dread the NO Tread!	Brandon Lawrence, Noah Arruda, Juan Hernandez	Claywell	Kelly Colucci, Krysten Hurman
5vgPSE06	How Does Kicking a Soccer Ball with Different Parts of Your Foot Affect Movement?	Caleb LaMoru Montero, Uriel De La Cruz-Mond, Alejandro Batista Palleija	Colson	Aurora O'Brien
5vgPSE07	How Does Throwing a Football at Different Angles Affect the Distance?	Bryan Aguilar, Lewis Hunt	Colson	Aurora O'Brien
5vgPSE08	Best fin design	Jacob Tomlinson, Alexis Rojo-Hernandez, Sawyer Rouse, Gael Galvan Gutierrez	Cork	Mendy Cartagena
5vgPSE09	Go Carts vs. 4-Wheeler	Hannah Ogilvie, Celeste Lopez	Cork	Amber Lovelace
5vgPSE10	What type of produce contains the most electricity?	Raya Kaya, Eimy Monserrate Martin	Essrig	Laura Bucklew
5vgPSE11	Do Dryer Sheets Really Work?	K'Moni Willis , Faith Brown	Graham	Rachel , Godsey
5vgPSE12	Shocking Attraction	Amaury Fajardo, Dylan Arun	Heritage	Lori Hanson
5vgPSE13	Magic Water	Amelia Eskra, Onyka Jenkins	Heritage	Lori Hanson
5vgPSE14	Heat Lamps	Tearria Leon , Jocelyn Auguste	James	Brandon Gogue
5vgPSE15	The Great Tuskpaste Test??	Persephone Jones, Stefano Butts, J'lyn James	Lomax	Jennifer Fruchey
5vgPSE16	How Does Mass Affect Boat Speed?	Bao Dinh, Stefania Kryvianok, Blake Robinson	Lowry	Genevieve Adams
5vgPSE17	How Does Parachute Shape Affect Falling Time?	Evalisse Feliz, Makayla Golz	Lowry	Genevieve Adams

Location	Project Title	Student(s)	School	Teacher(s)
5vgPSE18	Rolling Down the Ramp: Investigating How Weight Affects Speed	Sofia Dillon Herndon, Maatangi Patel	MacFarlane Park	Catherine Jones
5vgPSE19	Rolling on Rollerskates: How Different Surfaces Affect Skates	Dora Huang, Ezra Metzger, Lola Park	MacFarlane Park	Catherine Jones
5vgPSE20	How Does the Design of a Paper Airplane Affect the Distance a Paper Airplane Travels?	Maya Cohen, Nyla Aldeen	McKitrick	Breann Alderman
5vgPSE21	Paper Caterpillars	Camryn Thorn, Julianna Calero	Mintz	Jessica Rutkowski
5vgPSE22	Coffee Conundrum	Smith Stein, Miles Pope	Mitchell	Gayle Lambert
5vgPSE23	Racin Racecars	Aditri Guha Roy, Alea Jackson, Kimmy Muhammad, Juliette Ramos- Gaskin	Riverhills	Stacie Watson
5vgPSE24	Sky High Rockets	Anre Davis, Ethan Georges, Jacob Durant, Theodore De Jonge	Riverhills	Stacie Watson
5vgPSE25	Let's Keep Warm	Rylie Hunter, Empress Oliver	Shore	Lydia Siberon
5vgPSE26	Safer Softball	Skylar Cobb, Jace David, Aiden Harmon, Chrystal Jackson	West Shore	Alexis Richmond
• PHYSICAL SCIENCE - MATTER •				
5fgPSM01	Pureness of Water Brands	Kasem Montgomery, Sawyer Murphy, Ashwin Sivashankar	Adum K-8	Amy Hauser
5fgPSM02	Candy Cane Vs Jolly Rancher Which Will Dissolve Faster?	Evelyn Hudgins, Sophia Gonzalez	Bellamy	Julie Gladden
5fgPSM03	Sugar Dissolving Tornadoes	Blakely Castine, Cameron Padrick, Colin Steffanic, Angelina Mendez Perez	Buckhorn	Jacey DiBenedetto
5fgPSM04	Driveways Unleashed: The Melting Era	Grace Holt-Rubin, Alina LaPlant, Luna Hine, Alexis Wingard	Buckhorn	Jacey DiBenedetto
5fgPSM06	Straw rocket investigation	Nathan Suarez, Cruz Sanchez Gomez, Alexander Dejesus	Clair Mel	Isaiah Marshall
5fgPSM07	Straw Rocket Investigation	Brianna Choon, Mikaela Miranda, Jaliyah Gregory	Clair Mel	Isaiah Marshall

Location	Project Title	Student(s)	School	Teacher(s)
5fgPSM08	Curl Keepers	Audrey Evans, Destiny Ellis, Nazarae Ortiz, Emillee Marrero	Claywell	Kelly Colucci, Krysten Hurman
5fgPSM09	A Straighter Future	Layne Schiebel, Jayden Jimenez, Evangeline Fulford	Cork	Mendy Cartagena
5fgPSM10	Smear Be Gone	Ella Esler, Paisley Rasner	Cork	Mendy Cartagena
5fgPSM11	What affect does the mixture of the liquid have on the physical properties of a grow creature?	Humberto Isidro-Santiago, Christopher Ramirez, Gel Cerro, Evan Amador	Dover	Orestes Mendez
5fgPSM12	"How does the brand of tape affect the length of time an object can be held up?"	Arieon Walton, Christina Millington, Chloe Miller, Amari Solomon	Dunbar	Adriana Pupo
5fgPSM13	Surge Shield	Milan Uttamchandani, Ariel Mualem	Gorrie	Javier Berrios
5fgPSM14	Up, Up, & Away!	Viva Veeravijay, Jessica Smithwick	Heritage	Lori Hanson
5fgPSM15	Turn Up the Volume	Rikhil Kodela, Adham Hamed	Heritage	Lori Hanson
5fgPSM16	Which container keeps water the coldest? Paper or Styrofoam?	Julieta Pulgarin , Juliana Parea, Richard Antonio , Brian Tran	Lake Magdalene	Connie Torres
5fgPSM17	What dissolves ice the fastest? Salt or Sugar?	Kemari Uzochuku, Joarib Cabrera , Nehemiah Diaz, Ja'miyaa White	Lake Magdalene	Connie Torres
5fgPSM18	Which popcorn brand has the least amount of unpopped kernels?	Jaxen Giombeti, Jaziel Carrion	Lewis	Andi Hastings
5fgPSM19	Gummy Absorb	Owen Palmer, Martez Ryan	Limona	Max Petrosino
5fgPSM20	How Different Densities of Liquids Effect Magnetism	Isaac Bagley, Benjamin Gomes	Lithia Springs	Shannon Carter
5fgPSM21	Pearly Whites	Gabriella Wilson, Annabelle Arledge	Maniscalco K-8	Stacy Summers
5fgPSM22	How do Different Materials Affect Flood Prevention?	Nolan Grawey, Penelope Grawey	McKitrick	Tristan Lockwood
5fgPSM23	Does a Water Brand Affect its PH Level?	Leila Betancourt, Telayah Peele	Muller	Ashly Cobos
5fgPSM24	Weight of Paper	Karliah Torres, Ava Shortt, Amelia Silverman	Rampello K-8	Savanna Swartz

Location	Project Title	Student(s)	School	Teacher(s)
5fgPSM25	Soap is Dope	Parker Cribbs, Daniel Salinas	Rampello K-8	Savanna Swartz
5fgPSM26	Eggcellent	Dylan Latson, Cecilia Verdecia, Dejah Lewis	Temple Terrace	Kristen Martinez
5fgPSM27	Tangled	Poetry Thomas, Lourdenn Davis, Khylee Brown-Newton, Sa'Maria Northern	Temple Terrace	Naomi Frierson
5fgPSM28	Candy Shop	Jakobe Hamilton, Luis Jaimez-Aguirre, Jesus Ocampo	Trapnell	Bryan Purkey
5vgPSM01	DIY Bouncy Ball	Emma Rhoads, Alaina Callajan	Adum K-8	Amy Hauser
5vgPSM02	Containers Can't Be Controlled	Salome Rey Martinez, Devin Castro, Lily Campbell	Buckhorn	Jacey DiBenedetto
5vgPSM03	Mummification	Dhanisha Mari, Haasini Pradip	Clark	Lucas Sommers
5vgPSM04	Chill Factor: What keeps ice solid longer?	Orion Rigby , Sravan Gangireddygar, Jordan Tingwall	Clark	Brittany Long
5vgPSM05	Colored Dissolving	Nathalia Camacho, Diego Cubertier, Adriana Marin	Crestwood	Chelsy Noto
5vgPSM06	Dissolving Peeps	David Ramos Acosta, Lyric Curtis, Lillian Rodriguez	Cypress Creek	Brooke Gruber
5vgPSM07	Which lipstick brand lasts the longest?	Audrey Lopez, Riley Walters, Araceli Pagan	Essrig	Laurie Cagle
5vgPSM08	Growing Orbeez	Kamilla Ortega, Mariana Silva-Colmenares	Hunter's Green	Yvonne Vasquez
5vgPSM09	Shrimply Delicious: Which Oil Has the Least amount of Spillage?	Liliana Rudderforth, Samantha Herran- Buitrago	Ippolito	Lisa Hoban
5vgPSM10	The Grow Creature Girls take on Juice!	Gabriella Morrell , Janae Wilson, R'elle Young	Kingswood	Megan Shackelford
5vgPSM11	Toolbox Racers!	Fabio Simao O'Reilly, Elysia Tsyorkin	Kingswood	Patricia Hightower
5vgPSM12	Which restaurant coffee cup keeps warm drink the hottest the longest?	Amahni Wilson, Shara Calderon, Micah Estenfil	Lake Magdalene	Carly Griffin

Location	Project Title	Student(s)	School	Teacher(s)
5vgPSM13	Does the shape of an ice cube effect the time it takes to melt?	Brooklyn Rodriguez, Hailey Coder-Todd, Alejandra Gonzales	Lake Magdalene	Carly Griffin
5vgPSM14	Nature of Science: Changes in States of Matter	Amayah Nicholas, Amirah Nicholas, Lauryn Codd	Lockhart	Antwoinika Bass
5vgPSM15	Unraveling the Cube: Investigating the Relationship Between Rubik's Cube Mass and Solve Time	Jose Rivera, Deivy Perez, Felix Rivera	Mendenhall	Kimberly Long
5vgPSM16	Growing Gummy Bears	Zayvion Belford, Justin Eady	Riverview	Shelby Hough
5vgPSM17	Which boat sails faster?	Adriona Goodman, Isla Spence	Riverview	Shelby Hough
5vgPSM18	How does the brand of dry-erase marker affect the length of its usage?	Abel Sánchez-Lopez, Elizabeth Hernández-Lopez, Yannet Hernandez-Lopez, Nayeli Jimenez	Robinson	Katelyn Williams , Keysha Simmons
5vgPSM19	The Cookie Crew	Ella Jedlund, Rosalee McNulty, Kynsey Gibson, Skylar Smith	Roland Park K-8	Devyn Millyard
5vgPSM20	PSI Changes	Steven Vera Perez, Sebastian Leiton Rodriguez	Roland Park K-8	Devyn Millyard
5vgPSM21	Battling Browning: Finding the best liquid to preserve apples	Elizabeth Boyd, Rylee Eranen, Kalice Brown	Springhead	Alexis Hoyle
5vgPSM22	Marshmallow Absorption	Isabella Taylor, Penelope McCarty	Tinker K-8	Mary Sullivan, Robert Mendenhall



EdGems Math and the team at HCPS' Math Homework Hotline give a special shout out to the M in STEM. At its core, Math is the foundation in Science, Technology, and Engineering.

We congratulate all who participated in this year's STEM Fair and are pleased to once again honor one middle school and one high school student with a special STEM Gemmy award for their excellence in showcasing their use of math in their project.



TUNE IN LIVE
for special mentions of the
STEM GEMMY AWARD WINNERS



Grand Awards Ceremony
Hillsborough Regional STEM Fair

Wednesday, February 26th
at 6:00 p.m.

STREAM BOTH ON:
HILLSBOROUGH
SCHOOLS TV
hillsboroughschools.tv

Featured in a future episode of
Math Homework Hotline

Watch select Thursday nights
from 6:00 - 7:00 p.m.



February 12, 2025

Dear Students,

We believe that the promise of our future lies in the unique journeys each of our students is taking today.

The 2025 HCPS STEM Fair represents one of the milestone steps in that journey, with the challenges of adhering to scientific investigation, the rigor of deductive reasoning, and the joy of new discoveries.

We are proud to support the hard work being displayed in this year's competition. Students, thank you for paving the way for a brighter tomorrow.

- The EdGems Math Team



Hillsborough County
PUBLIC SCHOOLS

Hillsborough Regional STEM FAIR

Hillsborough Regional
science, technology,
engineering &
mathematics fair



Junior (Grades 6-8) Division and Senior (Grades 9-12) Division Projects



Division Projects

JUNIOR

(GRADES 6-8)

SENIOR

(GRADES 9-12)



Senior Animal Sciences

Project ID	Project Title	Student	School	Teacher
S-ANIM-001	PROJECT: A.N.T.S. - Ethical Conditioning of Ant Colonies: Manipulating Adaptability for Safe Relocation Using Chemical-Social Cues	Fakir Hossain & Naim Elmennani	Hifz Academy	Naseera Nafiya Basha

Junior Animal Sciences

Project ID	Project Title	Student	School	Teacher
J-ANIM-001	Which Environment do Isopods Prefer?	Ibraheem Babaa	Universal Academy of Florida	Abdullah Elalami
J-ANIM-002	Homemade vs Store Bought Incubator- Which Incubates Quail Eggs Faster	Hanna Mubarak & Yasmina Lbida	Universal Academy of Florida	Ream Ibrahim

Senior Behavioral and Social Sciences

Project ID	Project Title	Student	School	Teacher
S-BEHA-001	ADHD Social Relationship Study	Veda Sheth	Strawberry Crest High School	Dianne Schroeder

Junior Behavioral and Social Sciences

Project ID	Project Title	Student	School	Teacher
J-BEHA-001	How Well Do Human Senses Detect Changes in Visual Stimuli and How Do They Differ Between People?	Amirrah Shehata	American Youth Academy	Zeyad Barakat
J-BEHA-002	How does the frequency of texting as well as using abbreviationsr emojis influence the reading and writing skills of varying ages and genders.	Aubrey Lively-Pardoe	Dorothy C. York Innovation Academy	Imarlys Cajigas
J-BEHA-003	The Power Of Music: Boosting Memory and Information Recall	Jermar Parkmond	Dorothy C. York Innovation Academy	Richard Deardurff
J-BEHA-004	Affirmation vs Praise	Braelyn Washington & Aaliyah Perez	Dorothy C. York Innovation Academy	Imarlys Cajigas
J-BEHA-005	Save the Earth	Joah Torrisi	Roland Park K8	Marie Bocchetti
J-BEHA-006	Which Is the Superior Drawing Instrument?	Hadi Chehouri	Williams Middle Magnet	LaWanda Cannon
J-BEHA-007	Do people conform to their peers?	Coda Schrader & Nischit Marala	Walker Middle School	Sarah Young

Senior Biomedical and Health Sciences

Project ID	Project Title	Student	School	Teacher
S-BMED-001	Exploring the Endocannabinoid System: A Potential Approach to Treating Diabetic Kidney Disease	Krish Taneja & Alexander Starushchenko & Steven Didik	Berkeley Preparatory School	Dr. Nicole Ackerson
S-BMED-002	Cholesterol Levels: Modeling Diet's Impact on Cardiovascular Stress	Sai Koppada & Nidhi Kulkarni & Siri Kolliputi	Middleton High School	Bhagyashree Kulkarni
S-BMED-003	The Use of AI to identify and filter PFAS chemicals in water with an affordable device	Tejaswi Mittadoddi	Middleton High School	Bhagyashree Kulkarni
S-BMED-004	Neurological damage from Covid-19	Isabella Acosta & Momoe Kato	Newsome High School	Bryan Kelly
S-BMED-005	The Effect of Heat Exposure Duration on the Antifungal Activity of Ethanol-Dissolved Curcumin Against <i>Saccharomyces cerevisiae</i>	Raksha Dharani	Robinson IB High School	Tiffany Oliver

Junior Biomedical and Health Sciences

Project ID	Project Title	Student	School	Teacher
J-BMED-001	Squeaky Clean!	Raheem Jenkins	Academy Prep Center of Tampa	Ralph Moore
J-BMED-002	Sweet Science: Exploring the relationship between ripeness and sugar content	Marin Oakes	Dorothy C. York Innovation Academy	Imarlys Cajigas
J-BMED-003	What is the effect of coated pills vs normal pills?	Geneva-Chanel Grimes	Hillsborough Academy	Madison Boyko
J-BMED-004	Quickstart My Heart!	Jack Supan	Kid's Community College South	Charis Daerr
J-BMED-005	Testing Glucose	Gigi Oliver & Mila Becker	Roland Park K-8	Marie Bocchetti
J-BMED-006	The Sound of Evolution	Noah Herdocia & Srihas Gandluri	Roland Park K-8	Ebony Faison
J-BMED-007	Glass Temperature's Effect on Fingerprints	Madeline Larsen & Marcela Perez & Zhnovia Barnett	Sunlake Academy of Math and Science	Sommer Bee
J-BMED-008	What skin moisturizer works best?	Alexandra Beam	Sunlake Academy of Math and Science	Sommer Bee
J-BMED-009	Which sugary and acidic drink will stain the teeth and wear down the enamel the most?	Jordan Shearer & Matthew Nottingham & Liliana Lebron	Sunlake Academy of Math and Science	Erin Lee
J-BMED-010	Enamel Erosion	Ayah Dahche & Nora Bowarshi	Universal Academy of Florida	Saima Masood
J-BMED-011	Mask vs Pollution	Nora Younes	Universal Academy of Florida	Abdullah Elalami
J-BMED-012	Are fingerprint patterns inherited?	Kholoud AJose & Takwa Baazaoui & Hana Ali	Universal Academy of Florida	Ream Ibrahim

J-BMED-013	Temperature Regulating Cast	Yana Brahmarkar	Williams Middle Magnet	LaWanda Cannon
J-BMED-014	Thrombosis in the Heart: A Model Approach To Cures	Anushka Srivastava & Charvi Sunkari	Williams Middle Magnet	LaWanda Cannon
J-BMED-015	Unraveling Cancer Risk	Prisha Jajoo	Williams Middle Magnet	LaWanda Cannon

Senior Chemistry

Project ID	Project Title	Student	School	Teacher
S-CHEM-001	What Hair Heat Protectant Works the Best?	Gavin Gonzalez & Emma Hansen	Gaither High School	Kelleigh Weeks
S-CHEM-002	An Investigation on the Effects of Sodium on Cellular Respiration	Olivia Reiter	Strawberry Crest High School	Christina Rutledge

Junior Chemistry

Project ID	Project Title	Student	School	Teacher
J-CHEM-001	Rotten! The Real Tooth	Haleya Tobar	Academy Prep Center of Tampa	Ralph Moore
J-CHEM-002	What Keeps Apples from Turning Brown?	Ayah Khaled	American Youth Academy	Sarah Elbiherie
J-CHEM-003	Which Substance Melts Ice the Fastest?	Fayaz Rahman	American Youth Academy	Sarah Elbiherie
J-CHEM-004	Absorption Capacity of Potassium Polyacrylate at Different Temperatures	Ethan Baez	Dorothy C. York Innovation Academy	Imarlys Cajigas
J-CHEM-005	What sports drink makes ice melt the fastest?	Lucas George	Farnell Middle school	Rekha Narayan
J-CHEM-006	The penny bath	Adithi Injeti & Patrick Van Zyl	Farnell Middle school	Heather Piscione
J-CHEM-007	From sparks to safety	Adyasha Priyadarsini	Farnell Middle school	Heather Piscione
J-CHEM-008	Popular Snacks Unwrapped	Abbra Costa	Hillsborough Academy	Stephano Vargas
J-CHEM-009	pH Levels of Different Types of Water	Lauren Phan	Kid's Community College South	Charis Daerr
J-CHEM-010	How Much do Different Drinks Affect the Weight of Zinc	Logan Lupa	Mann Middle	Carmeline Williams
J-CHEM-011	Which substances produces the "best" drinking water?	Ryann Shea	Mann Middle School	Carmeline Williams
J-CHEM-012	Slimy Situation	Madisyn Ballinger	Memorial Middle School	Samuel Jennigns
J-CHEM-013	Divorcing Matter	Jorge Brand & Daniel Ravelo	Memorial Middle School	Samuel Jennings
J-CHEM-014	Pizza Pizza Pizza	Leah Hodelin	Memorial Middle School	Samuel Jennings

J-CHEM-015	Health Queens	Nehemiah Mena Munoz & Charlie Serrano Torres	Memorial Middle School	Samuel Jennings
J-CHEM-016	Citrus Forever	Maia Ortiz	Memorial Middle School	Samuel Jennings
J-CHEM-017	The Key to Whitening	Kamila Pena Montes	Memorial Middle School	Samuel Jennings
J-CHEM-018	Helpful Acid?	Yaymell Rosales & Angel Martinez Blanco	Memorial Middle School	Samuel Jennings
J-CHEM-019	Splish Splash	Diana Terrazas & Valentina Dominguez	Memorial Middle School	Samuel Jennings
J-CHEM-020	Sugar Snake	Quentin Zheng	Mulrennan Middle School	Tracy Riley
J-CHEM-021	Pigments	Abigail Garcia & Olivia Galarza	Roland Park K8	Ebony Faison
J-CHEM-022	Spectrum of Decay	Leo Iannarelli	Roland Park K8	Ebony Faison
J-CHEM-023	Which Juice?	Vanshika Prabhu	Roland Park K8	Marie Bocchetti
J-CHEM-024	Ice, Ice, Maybe?	Mia Mcgaughey	Stewart Middle Magnet	Heather Frost
J-CHEM-025	Ph Levels in Soda	Ramchitraksh Duggireddy & Swarith Gali	Sunlake Academy of Math and Science	Sommer Bee
J-CHEM-026	Glass Temperature's Effect on Fingerprints	Zhnovia Barnett & Madeline Larsen & Marcela Perez	Sunlake Academy of Math and Science	Sommer Bee
J-CHEM-027	Which Burger Has the Most Fat?	Elle Blaze & Saiya Chopra & Elisabeth Patel	Sunlake Academy of Math and Science	Sommer Bee
J-CHEM-028	Rust Away	Ali Zain Bukhari & Samanyu Ragunathan	Sunlake Academy of Math and Science	Sommer Bee
J-CHEM-029	Revealing Nature's pH Secrets	Saanvi Gutala	Sunlake Academy of Math and Science	Erin Lee
J-CHEM-030	Which Brand of French Fries Contains the Most Grease?	Ava Hauck & Vita Kash & Audrey Noll	Sunlake Academy of Math and Science	Sommer Bee
J-CHEM-031	The Science Behind Tempering Chocolate: Causes and Social Benefits	Sahasra Nomula	Sunlake Academy of Math and	Sommer Bee

			Science	
J-CHEM-032	ElectroFuel	Andrew Tucker	Sunlake Academy of Math and Science	Erin Lee
J-CHEM-033	Magnetic Slime Experiments	Massa Shalabi & Aqsa Muhammad & Salaam Hiba	Universal Academy of Florida (UAF)	Saima Masood
J-CHEM-034	Chemistry: Blood vs. Bleach	Tanishka Chinthamaneni	Williams Middle Magnet	LaWanda Cannon
J-CHEM-035	Analyzing the Amount of Electrolytes in Fruit Juice	Samanvitha Sathya	Williams Middle Magnet	LaWanda Cannon

Senior Cellular/Molecular Biology & Biochemistry

Project ID	Project Title	Student	School	Teacher
S-CMBI-001	Optimizing Perchlorate Bioremediation: Analyzing the Role of Fe-S Complexes and Sulfates in pcrABCD Protein Activity Through Novel Docking Simulations (Year II)	Daniel Park	King High School	Chelsey Swats
S-CMBI-002	Oxygen Levels: The Key to Cell Stress and Survival	Sanjana Anumukonda & Poojitha Palaniswamy	Middleton High School	Bhagyashree Kulkarni
S-CMBI-003	NeuroSenseAS: An Innovative, Cost-Effective AI-Driven Diagnostic System Integrating Genetically Engineered Biosensors for Early Detection and Monitoring of Alpha-Synuclein in Parkinson's Disease.	Diya Pulicherla & Chinmay Gujar	Middleton High School	Bhagyashree Kulkarni
S-CMBI-004	Identifying Anthocyanin Concentration in different colored Potatoes using acetone Extraction and Spectrophotometric measurement	Harshita Ragavendran	Robinson High School	Tiffany Oliver
S-CMBI-005	Determining Lithium's Binding Site on GSK3B Using Molecular Dynamics To Refine Bipolar Disorder Treatment	Shreyashi Bodaka	Strawberry Crest High School	Dianne Schroeder
S-CMBI-006	Effect of NaCl Concentrations on Catalase Activity in Encapsulated <i>S. cerevisiae</i> Beads	Amber Islas	Strawberry Crest High School	Christina Rutledge

Junior Cellular/Molecular Biology & Biochemistry

Project ID	Project Title	Student	School	Teacher
J-CMBI-001	Energy Drinks Exposed: Biochemical Impacts on the Human Body	Yuvraj Jashnani	Carrollwood Day School	Carrie J Prieto
J-CMBI-002	"Brewing Energy: Extracting Ethanol from Yeast"	Sophia Cameron & Kaitlyn Post	Dorothy C. York Innovation Academy	Imarlys Cajigas
J-CMBI-003	A Novel Approach to Extracting Bioactive Compounds from Sargassum: Mitigating Harmful Algal Blooms and Promoting Aquatic Ecosystem Health	Krishiv Patel	Martinez Middle School	Dr. Elmer Brewer

Senior Earth and Environmental Sciences

Project ID	Project Title	Student	School	Teacher
S-EAEV-001	AI-Powered Rip Current Detection: A Novel Approach to Coastal Safety	Chilok Mak & Neal Gupta	Berkeley Preparatory School	Jake Marfise
S-EAEV-002	Micro algae effects on wastewater nutrients	Dylan Muldowney & Isabella Kersey	Durant High school	Kenneth Wood
S-EAEV-003	A Comparative Analysis of Climate Change Related Anthropogenic Factors Including Temperature, Ocean Acidification, and Storm Intensity on Newly Outplanted Corals for Enhanced Coral Reef Restoration.	Kush Gulati	Newsome High School	James Podd
S-EAEV-004	The effect of different oxybenzone concentrations, an active ingredient in most chemical sunscreens, on the oxygen production of phytoplankton.	Devanshi Gollamudi	Strawberry Crest High School	Christina Rutledge
S-EAEV-005	Investigating the Effect of Calcium Carbonate on Acidic Soil	Aditi Nair	Strawberry Crest High School	Christina Rutledge

Junior Earth and Environmental Sciences

Project ID	Project Title	Student	School	Teacher
J-EAEV-001	Do Algae or Coffee Beans Make the Better Biofuel?	Ramzi Salhab	American Youth Academy	Aseil Abdelsamad
J-EAEV-002	Green Guardians: Harnessing Mangroves to Combat Ocean Acidification	Emery Oliszewski & Addison Sanders & Maria Morales	Dorothy C York Innovation Academy	Richard Deardurff
J-EAEV-003	Best 3D filament for water	Tyler Turner	Dorothy C. York Innovation Academy	Imarlys Cajigas
J-EAEV-004	Effect of water on plant growth	Thamil Kumar	Farnell Middle school	Jaymi Choate
J-EAEV-005	Deforestation Impact	Manuela Da Cruz Melo	Hillsborough Academy of Math and Science	Madison Boyko
J-EAEV-006	Crystal Clear	Lahela Lawrence	Kid's Community College South	Charis Daerr
J-EAEV-007	Sinkhole Blues We Got the Crew	Arin Jadhao	Liberty Middle School	Reena Paul
J-EAEV-008	Water vs. Gravity	Oliveah Bird	Mulrennan Middle School	Tracy Riley
J-EAEV-009	Plastics and Water Temperature	Saira Bhullar	Roland Park K8	Marie Bocchetti
J-EAEV-010	Carbon Comparing	Annalise Carter & Naya Laurente	Roland Park K8	Marie Bocchetti
J-EAEV-011	Concrete versus Greenspace	Isabella Dehney & Kayla Minnear	Roland Park K8	Marie Bocchetti

J-EAEV-012	Filtering Water	Vivaan Madhabhushanam	Roland Park K8	Marie Bocchetti
J-EAEV-013	Rose Eco-Dying on Fabric	Hasini Ambati	Sunlake Academy of Math and Science	Sommer Bee
J-EAEV-014	The Impact of CO2 emissions on our Atmosphere	Charvi Anandbabu	Sunlake Academy of Math and Science	Erin Lee
J-EAEV-015	Solar Panel	Evan Delacour & Alessandro Trimino	Sunlake Academy of Math and Science	Erin Lee
J-EAEV-016	Filtering Microplastics From Water	Rahini Kamarajuggada	Sunlake Academy of Math and Science	Erin Lee
J-EAEV-017	Eat Food, Not Pesticides!	Mila Lambropoulos & Pierce Lambropoulos	Sunlake Academy of Math and Science	Sommer Bee
J-EAEV-018	Which soil helps plants grow the biggest?	Oliver Meckley	Sunlake Academy of Math and Science	Sommer Bee
J-EAEV-019	pH Levels in Different Types of Water	Sreshta Nomula	Sunlake Academy of Math and Science	Sommer Bee
J-EAEV-020	What lights keep celery/veggies the freshest	Lana Kazaal & Jenna Kamel & Aseel Fuqaha	Sunlake Academy of Math and Science	Sommer Bee
J-EAEV-021	Under the Sea	Aneesh Sivashankar	Universal Academy of Florida	Saima Masood
J-EAEV-022	Dune Defender: Engineering Our Coastal Protection	Aneesh Sivashankar	Williams Middle Magnet	LaWanda Cannon
J-EAEV-023	How does water salinity affect surface tension?	Apurva Kantheti	Williams Middle Magnet	LaWanda Cannon
J-EAEV-024	pH ₂ O	Aashni Patel	Williams Middle Magnet	LaWanda Cannon
J-EAEV-025	Turbine Transformations	Anshi Bhardwaj	Sunlake Academy of Math and Science	Erin Lee

Senior Engineering

Project ID	Project Title	Student	School	Teacher
S-ENMS-001	Novel Method to Optimize Metal Ink Adhesion and Conductivity for Applications in Direct Ink Writing (DIW)	Joseph Woldemichael	Durant High School	Kenneth Wood
S-ENMS-002	Additive Anatomy	Vidarth Sathya	Middleton High School	Bhagyashree Kulkarni
S-ENMS-003	Designing an Adaptive Suspension System to Improve the Exploration Range of Mars Rovers	Casey Ayres	Newsome High School	Brian Clark
S-ENMS-004	The Hydrodynamics of Pyramids	Logan Mayberry & Jason McGinnis	Strawberry Crest High School	Dianne Schroeder

Junior Engineering

Project ID	Project Title	Student	School	Teacher
J-ENMS-001	Stud Gaurd	Braden Kidd & Philip Koshy	Benito Middle School	Kelli Forman
J-ENMS-002	How Wireless Charges Work	Hridaan Waswani	Benito Middle School	Laura Demes
J-ENMS-003	Which aerodynamic blade design [air foil] for wind turbines produces maximum energy output?	Joshita Jagannathan	Liberty Middle	Robin Queen
J-ENMS-004	DIY Solar Ovens	Harshidh Kondapalli	Liberty Middle	Robin Queen
J-ENMS-005	Mine Won't Fall	Kenny Nguyen	Memorial Middle School	Samuel Jennings
J-ENMS-006	Aquabine Flood Protection	Olivia Rivas Mederios & Gustavo Rivas Mederios	Roland Park K8	Marie Bocchetti
J-ENMS-007	Plane Distance	Zachary Martin & John Kladis	Roland Park K8	Michele Martinez
J-ENMS-008	The Shape of Windmills	Nathan Simkin & Brantley Watts & Hayden Rice	Roland Park K8	Marie Bocchetti
J-ENMS-009	Power of Printing	Jack Spencer & Gabriel De Jesus Hughey	Roland Park K8	Marie Bocchetti
J-ENMS-010	Melting Ice	Benjamin Vazquez	Roland Park K8	Marie Bocchetti
J-ENMS-011	C.B.P.S.	Iselena Rodriquez	Stewart Middle Magnet	Heather Frost
J-ENMS-012	Energy generated by solar panels	Penelope Nicola	Sunlake Academy	Erin Lee
J-ENMS-013	What Insulation Material is the Most Efficient?	Rudra Kumar & Noah Yonas & Mason Pedraza	Sunlake Academy of Math and Science	Sommer Bee
J-ENMS-014	Can a solar tracker light up a light bulb.	Alessandro Triminio & Evan Plourde	Sunlake Academy of Math and	Erin Lee

			Science	
J-ENMS-015	Which type of metal projectile will launch the farthest in a model mass driver?	Krishan Pradeep & Parth Rami	Walker Middle School	Mike Mackinzie
J-ENMS-016	Designing Flight Concepts	Sangamitra Dilli Babu & Shaivani Ayyappan	Williams Middle Magnet	LaWanda Cannon
J-ENMS-017	Decoding the Dynamics of Aircraft Speed	Prityush Saravanan	Williams Middle Magnet	LaWanda Cannon

Junior Environmental Engineering

Project ID	Project Title	Student	School	Teacher
J-ENEV-001	FlameSense	Tanish Anche	Carrollwood Day School	Carrie J Prieto
J-ENEV-002	Flood Fighters	Skyler Haverfield & Luke Haverfield & Gavin Casteel	Dorothy C. York Innovation Academy	Richard Deardurff
J-ENEV-003	Can eggshells be used to design an eco-friendly and affordable water purification system?	Vedamrutha Panguluri	Liberty Middle	Robin Queen
J-ENEV-004	Optimization of Ultrasonic Wave Propagation for Targeted Microplastic Extraction in Water Filtration	Mahi Patel	Liberty Middle School	Terry Broecker
J-ENEV-005	Switching to Solar	Renton Grupman & Chance Perron	Roland Park K8	Marie Bocchetti
J-ENEV-006	How do wind turbines' blades impact their aerodynamic capacity to produce electricity?	Srisamanvitha Kothapalli	Walker Middle School	Sarah Young
J-ENEV-007	H2O and Motion: How the amount of water affects the Gravity Wheel	Josiah Ramirez	Hillsborough Academy	Madison Boyko

Hillsborough Regional
science, technology,
engineering &
mathematics fair



Senior Intelligent Machines, Robotics and Systems Software

Project ID	Project Title	Student	School	Teacher
S-IMRS-001	Predicting the Location of CRISPR's Off-Target Genome Editing Sites Using Mathematical and Machine Learning Models	Kohana Basu & Navita Mishra	Middleton High School	Bhagyashree Kulkarni
S-IMRS-002	Evaluating the Performance of Low-Cost KLM Protocol-Based Quantum Cryptography Systems Against Current Encryption Methods	Srijan Kumbam & Siddharth Mohan & Dakshesh Sai Madhav Kaki	Middleton High School	Bhagyashree Kulkarni
S-IMRS-003	Development of a Low-Cost Smart Cane for Enhanced Mobility and Safety: CareCane	Ishanvi Sabniveesu	Steinbrenner High School	Heather Prokop
S-IMRS-004	Child Mind Institute — Problematic Internet Use: Relating Physical Activity to Problematic Internet Use	Gerardo Ochoa Alvarez	Strawberry Crest High School	Dianne Schroeder

Junior Intelligent Machines, Robotics and Systems Software

Project ID	Project Title	Student	School	Teacher
J-IMRS-001	Communication Aid	Obai Taya & Omar Shaath & Yaser Hamdan	American Youth Academy	Aseil Abdelsamad
J-IMRS-002	Counting on AI?	Luca Santayana & Avi Tyagi	Sunlake Academy of Math and Science	Sommer Bee

Senior Mathematics and Computational Sciences

Project ID	Project Title	Student	School	Teacher
S-MACO-001	Predicting the Location of CRISPR's Off-Target Genome Editing Sites Using Mathematical and Machine Learning Models	Navita Mishra & Kohana Pal Basu	Middleton High School	Bhagyashree Kulkarni
S-MACO-002	Trauma Tracker	Rhea Rachala	Middleton High School	Bhagyashree Kulkarni
S-MACO-003	Quantifying Regional Perfusion Alterations Induced by High Versus Low Radiation Doses and Their Correlation with Left Ventricle Ejection Fraction in Breast Cancer Patients	Arjun Suresh	Newsome High School	Bryan Kelly
S-MACO-004	Using Patterns to Solve Everyday Problems Faster and Easier	Karthikeya Tatikonda	Newsome High School	Brian Kelly
S-MACO-005	Comparative Study of GNN Aggregation Methods for Ligand Binding Affinity Prediction from SMILES-Coded Molecular Data	Shaan Patel	Steinbrenner High School	Roshcelle Thybulle
S-MACO-006	Climbing the Language Tree: Cross-Cultural Analysis of Pause Duration in Spoken Language	Anika Prasad	Strawberry Crest High School	Dianne Schroeder

Junior Mathematics and Computational Sciences

Project ID	Project Title	Student	School	Teacher
J-MACO-001	The Code Sprint: Analyzing the Performance of Python, C++, and Swift	Aminat Mirza	Universal Academy of Florida	Abdullah Elalami

Senior Microbiology

Project ID	Project Title	Student	School	Teacher
S-MICR-001	The investigation on the effect of contrasting audio wave frequencies on the growth dynamics and physiological response of Escherichia Coli	Anjali Annamraju	Middleton High School	Bhagyashree Kulkarni
S-MICR-002	Developing and Testing the Efficacy of Novel Microbial Formulations via Root Growth Performance Using WinRhizo Root Scanner to Predict the Crop Yield for Potato (Solanum tuberosum) Production	Swara Patel	Carrollwood Day School	Carrie J Prieto

Senior Physics and Astronomy

Project ID	Project Title	Student	School	Teacher
S-PHYS-001	Betelgeuse, Betelgeuse, Betelgeuse: Lifespan of a Star	Mya Scott & The'Aija Tate	Gaither High School	Kelleigh Weeks
S-PHYS-002	Batteries in Different Temperatures: How Batteries Reacted to Different Temperatures	Anastasia Webb & Lila Schneider	Gaither High School	Kelleigh Weeks
S-PHYS-003	Design and construction of a homemade spectrometer for analyzing light sources	Mya Sullivan & Charles McGinn	Newsome High School	Brian Kelly
S-PHYS-004	Electrostatic Landscapes and Phase Separation: Unveiling the Role of Ionic Conditions of Liquid-Liquid Phase Separation in Biomolecular Systems	Deshna Pal	Strawberry Crest High School	Dianne Schroeder
S-PHYS-005	The Effect of Sugar Concentration on Index of Refraction	Zoey Yarter	Strawberry Crest High School	Dianne Schroeder

Junior Physics and Astronomy

Project ID	Project Title	Student	School	Teacher
J-PHYS-001	Newton's Fourth Law	Adam Zalatimo	American Youth Academy	Aseil Abdelsamad
J-PHYS-002	Temperature Tactics	Brynleigh Roa	Dorothy C. York Innovation Academy	Richard Deardurff
J-PHYS-003	Fly through Pressure	Nathan Yoon	Farnell Middle school	Jaymi Choate
J-PHYS-004	Testing Voltage	Zackery Aguilar	Mann Middle	Carmeline Williams
J-PHYS-005	Boom Boom Pow	Carter Torres & Dallas Crews	Memorial Middle	Samuel Jennings
J-PHYS-007	The Pendulum of Science	Athir Chowdhury	Mulrennan Middle School	Mrs Coleman-Moore
J-PHYS-008	Bounce Bounce Shoot	Sebastian Dube & Ricky Wilson	Mulrennan Middle School	Tracy Riley
J-PHYS-009	How Does Violin Size Influence Sound Frequency and Loudness on an Open String?	Akanksha Rudra	Williams Middle Magneet	LaWanda Cannon
J-PHYS-010	How different materials play a role in how magnetism and conduction play a role in Lenz's law of electromagnetic induction	Karthikeyan Palaniswamy	Williams Middle Magnet	LaWanda Cannon

J-PHYS-011	How different types of wax affect how long they burn	Adyasha Sahu	Williams Middle Magnet	LaWanda Cannon
J-PHYS-012	Deliciously Dense	Ibrahim Shuayb	Universal Academy of Florida	Saima Masood

Senior Plant Sciences

Project ID	Project Title	Student	School	Teacher
S-PLNT-001	Sustainability of Fodder System against Traditional Feeding Methods	Shelby Langford	Gaither High School	Lindsay Blume
S-PLNT-002	Enhancing Urea Fertilizer Stability to Reduce Volatilization Losses	Avaneesh Anand	Middleton High School	Bhagyashree Kulkarni
S-PLNT-003	The effects of plant housing on mycorrhizal bacteria	Kylee McCluskey	Plant City High School	Haley Mollmann
S-PLNT-004	The Utilization of a Bioformulation with the Addition of Alginate Capsules to Combat Fusarium Oxysporum in Solanum spp.	Sahil Patel	Steinbrenner High School	Mrs. Banerjee
S-PLNT-005	A Comprehensive Eco-friendly Strategy for Citrus Greening Disease Management: Targeted Delivery of Multi-Compounds derived from <i>Murraya koenigii</i> in combination with Steam Therapy Approach for Management of <i>Candidatus liberibacter asiaticus</i> and its validation through Precision Agriculture Tools.	Tanishka Aglave	Strawberry Crest High School	Dianne Schroeder
S-PLNT-006	The effect of Nitrogen Fixation Method on the Growth Rate of <i>Abelmoschus esculentus</i>	Tanvi Balan	Strawberry Crest High School	Christina Rutledge
S-PLNT-007	The Effect of Hydroponics and Aquaponics on Basil in Natural and Artificial Lighting	Ayanna Mukendi	Strawberry Crest High School	Christina Rutledge

Junior Plant Sciences

Project ID	Project Title	Student	School	Teacher
J-PLNT-001	Grow Up a Bit	Noe'El Mitchell	Academy Prep Center of Tampa	Ralph Moore
J-PLNT-002	Chemical Bloom: The Hidden Impact of Estrogen Pollutants on Plant Life	Bayleigh Beck & Jocelin Rivas	Dorothy C York Innovation Academy	Richard Deardurff
J-PLNT-003	Can hydroponics thrive on water alone?	Peyton McGregor	Dorothy C. York Innovation Academy	Imarlys Cajigas
J-PLNT-004	The strength of a plant root	Eswar Dasari	Farnell Middle school	Heather Piscione
J-PLNT-005	Growing plants with different liquids	Akshitha Mandula	Farnell Middle school	Heather Piscione
J-PLNT-006	Which liquids do apples rot slower in?	Phillip Scantlebury	Farnell Middle school	Jaymi Choate
J-PLNT-007	Abundant Greens	Ysolin Bush	Memorial Middle School	Samuel Jennings
J-PLNT-008	How do Pesticides Affect Plant Cells?	Kaleb Kuberski	Mulrennan Middle School	Heather McClellan

J-PLNT-009	Plants Matter	Makaiya Carter	Roland Park K8	Marie Bocchetti
J-PLNT-010	Plant Location	Abigail Drake & Jayleen Flores Hernandez	Roland Park K8	Marie Bocchetti
J-PLNT-011	Plants vs. Salt Water	Ruthie Fridy	Roland Park K8	Marie Bocchetti
J-PLNT-012	Differing Light Wavelengths' Effect on Photosynthesis	Flynn Tharaldson	Sunlake Academy of Math and Science	Sommer Bee
J-PLNT-013	The Effect of Soil pH on Plant Growth	Santiago Bergen & Uriah Guma	Sunlake Academy of Math and Science	Sommer Bee
J-PLNT-014	Which Light Keeps Celery the Freshest?	Diana Escutia & Isabelle Isaacs	Sunlake Academy of Math and Science	Sommer Bee
J-PLNT-015	How Does Different Types of Water Affect the Growth of a Plant?	Dean Forsyth	Sunlake Academy of Math and Science	Sommer Bee

Hillsborough Regional
science, technology,
engineering &
mathematics fair





Transforming patients' lives through science™

We are in the business of breakthroughs—the kind that transform patients' lives. Dedicated to our mission of discovering, developing and delivering life-saving innovations that help patients prevail over serious diseases, we'll never give up our search for more hope, for more people, around the world.

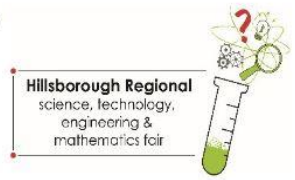


**We're proud to support the Hillsborough
County Public Schools and congratulate
this year's STEM Fair participants.**

Visit bms.com to see how we're bringing a human touch to everything we do.



Hillsborough Regional STEM FAIR



Thank you to the 2025 Hillsborough Regional STEM Fair Sponsors!

Presenting Sponsor



Einstein Sponsor



Carver Sponsor



Edison Sponsors



Curie Sponsors



Supporting Partners

