

MIDDLE SCHOOL

(ANIM) Animal Science

Lydia Luke

Can Praying Mantises Learn an Area to Help Exterminate?

Lanier

Addison McLemore

Where are these invasive species going to go?

Lanier

Phoebe Carlton, Elise Scheiderich

Do Cats or Kittens Learn Faster?

Osborne

Naomi Kobayashi Croy

Stable Legs

Osborne

(BCHM) Biochemistry

Lidia Jimenez Morales

Solar Panel Heat Trap

Shiloh

Alexandra Leon

What is the Effect Osmosis has on Cell Mass?

Berkmar

Yusra Yoonas

Rise in Time

Sweetwater

(BEHA) Behavioral & Social Science

Alaila Grady

Relief on a String

Grace Snell

Amelia Griffin-Rey

Stroop Effect

Hull

Daniela Arauz-Hernandez, Tien Pham, Yeimitt

Diaz-Sanchez

The effect of music genre on memory?

Radloff

Anylson Lopez-Ovregon

What colors can be seen best in low light?

Sweetwater

Omar Barahona-Ruiz, Jadan Jones, Marcus

Wilcox

Painting Pasta

Sweetwater

Aleena Coleman, Sara Buitrago-Gonzalez,

Carlaysiah Moore

Fingerprints XX or XY?

Sweetwater

Josiah Longmatey, Seth Kuiters

Lunch Time

Twin Rivers

(BMED) Biomedical & Health Science

Grace Elijah

Vegan Sugar vs. Regular Sugar

Grace Snell

Sebastian Dominguez

Ventilation: Safer Air or More Deadly?

Lanier

MIDDLE SCHOOL

Holly Hunt, McKenna Fleming

How Clean Are Your Hands?

Osborne

Emi Hoang, Gabriel Villafranco, Gia Hoang

The Reality of Alkaline Water

Osborne

Andrew Stoia

The Good, Bad, and the Reality about the Water
in your Backpack

Osborne

Rehjana Dedic

Teeth Stains

Shiloh

Soyun Park, Samantha Solis,

Radius Rotation Communication

Twin Rivers

(CELL) Cellular & Molecular Biology

Kendall Curry

Popping Boba: Science of Spherification

Shiloh

Ava Salazar

Iron in My Cereal?

Shiloh

(CHEM) Chemistry

Gianna Garmendia, Naomi Caitilyn Jane

Canilan

The Candy Snap

Berkmar

Anessa Belisario

Toothpaste Will Not Always Guarantee You a
White Smile

Crews

Rebecca Desrosiers

Pain, Pills, and You

Crews

Dori Guo, Amy Tran

Great Globs of Gluten!

Crews

Olivia Smith, Isabella Smith

How to Change the Flavor of Popcorn Using
Various Liquids

Grace Snell

Jon-Jason Essilfie

Transport Balloons

Grace Snell

Engjulush Mehmeti

Bubble-ology

Grace Snell

Sharvari Bhusari, Laya Prabhu, Kanushika

Venugopal

Crystal Growing

Hull

Aaron Vigil, Elaine Varughese, Ziya Dhanani

Think Before Drinking

Hull

Arush Seth, Nikhil Srinivas

Does it Smell Breathtastic?

Hull

Romeo Capuno, Caroline Elliot

Temperature Effect on Crystal Growth in a
Closed Environment

Lanier

MIDDLE SCHOOL

MIDDLE SCHOOL

Hannah Araia, Anna Encarnacion

Is Your Purification Process Perfect?

Shiloh

Lewhat Tesfazghi, Abigail Yemane

Candy Chromatography

Shiloh

Lucia Furlanetto

Skittles

Shiloh

Janiah Whitson

React

Summerour

Vanessa Camarillo, Katie Phan, Ericka

Juarta-Portillo

What makes ice melt faster?

Summerour

Kevin Aviles, Adan Ramirez, Alejandro

Sanchez-Olalde

Can Implosion Experiment

Summerour

Autumn Carey

Degradation of Wood

Summerour

Natalie Reyes

Coke vs. Diet Coke (sugar) Google Doc

Sweetwater

(EAEV) Earth & Environmental Science

Joshua Jenkins

How does acid rain affect our ecosystem?

Creekland

Shereyas Jain

Water Harvesting

Creekland

Christina Chvatal

Which Light Color Produces the Most Energy?

Crews

Jieya Leng

The Truth About "Green" Detergents

Crews

Katherine Loo, Holly Spake

How do different solutions affect plant cells?

Crews

Veeraj Sharma

Help keep the sea plastic free, Biodegradable

Vs. Bioplastic

Crews

Robert Thomas

Do Different Materials Filter Water Better?

Grace Snell

Anaya Malhotra, Shreya Gangaram, Megan Lee

Does Yogurt Speed Up Compost Process?

Hull

Sara Beth Gravitt

Farming for Water

Jones

MIDDLE SCHOOL

MIDDLE SCHOOL

Maylee Rosser

Cucumbers and Soil
Jones

Caleb Bertrand

Which Would Erode Fastest?
Jones

Hannah Benson

How to recycle paper into soil.
Jones

Solomon Bridger

Soil Erosion
Jones

Alexander Roberts

How Does Heat Affect Mineral Growth?
Lanier

Miranda Godfrey

How Can the Water Cycle be Used to Remove
Pollutants from Water?
Lanier

Katelyn Dinh

How Does Light Type Affect Solar Cell Function?
Lanier

Naa Quartey-Papafio

Best Water Bottled Brand
Northbrook

Ellis Nastasi

How and Why do Crystals Grow?
Northbrook

Ellie Graham, Kate Pauli

Trash AI
Osborne

Charlie Seidel

Green with Envy
Osborne

Drew Minus, Grace Lonse,

Is It Clean?
Shiloh

Faisal Mohammed

Clean Water
Shiloh

Paige Pruitt, Ashley Vasquez

Eggshell Geodes
Shiloh

LaYna Jackson, Kaydin Moe, Lahnaya Woodley

Solar Oven
Snellville

**Rashad Manradgh, Olivia Saint Cyr, Elisabeth
Richards**

Wind Powered House
Snellville

Gold Osie, Joseph Daniel, Alexia Agyei

Water Conservation and Water Filtering Project
Snellville

Sharon Walker, Abigail Asrat, Abisola Ayodele

Soil Erosion
Snellville

Fanghan Kouassi, Nathaniel Gibson

Water Filtering
Snellville

**Caleb Meeks, Robert Mwakamui, Samuel
Mutua**

Can water sensors help save water when

MIDDLE SCHOOL

gardening?
Snellville

(EBED) Embedded Systems

Jackie Tran, Logan Melander
Bus Advancement Project
Twin Rivers

Aubrey Hoyt, Abigail Mathew, Skarleth Rivera
Micro:bit Metronome
Twin Rivers

Everett Deal, Jaidyn Mattox, Demi Wusu
Phone Punishment
Twin Rivers

(EGCH) Energy: Chemical

Julissa Lopez-Sobalvarro
Can a 9v battery charge a cell phone faster than
a receptacle?
Grace Snell

**Hannah Getachew, Kebron Lemma, Alivia
Wilson**
Food Scraps to Energy
Shiloh

Anaiya Watson
Electric Foods
Shiloh

Pharoah DeMyers
Solar Angles
Shiloh

(EGPH) Energy: Physical

Stacey Ignacio-Barahona, Ayleen Pena
Static electricity
Berkmar

Samuel Devassy
Heat Into Electricity
Crews

Conor Honeycutt
How Range Affects the Kinetic Energy of a
Paintball
Crews

Nafisa Jannat
Effects of Density and Medium Ratio in Acrylic
Cell Creation
Crews

Paloma Laboy
How Bright is This Light?
Crews

Diego Alegria-Zunigra
Solar Efficiency
Shiloh

Gradel Mavambu
Energy Stored in Food Google Doc
Sweetwater

MIDDLE SCHOOL

Wengel Abera

Cold Cup Race Google Doc
Sweetwater

Stanly Nguyen

Color & Heat Absorption
Sweetwater

Jimena Perez Rivas, Jasmine Escobar, Nina Chau

Jumping Colors
Sweetwater

(ENBM) Biomedical Engineering

Jade Tukpah

Catching Cancer
Twin Rivers

(ENEV) Environmental Engineering

Harmoni Hobson

Liquids to Breakdown Plastic?
Grace Snell

Adriel Vidal

What Makes Ice Melt the Fastest?
Grace Snell

Navya Desai, Prapti Bhamare

The Deactivator
Hull

Cale Vernon

Hydroponics
Hull

Madison Kokoszka, Daniella Kosozi, Yerin Han

Removing Oil Spills
Lanier

Katherine McConkey

Saving Sea Life
Lanier

Saniia Williams, Mia Rogers

Hydroponic System
Lanier

Elliot Guadalupe, Jaxon Adams, Julius Bertie

RC Car vs. Friction
Shiloh

Maria Rivera, Chelsea Deleon, Avani Shanbhag

How different filtration methods affect the quality of Water?
Summerour

Pheryn Phillips, Eliya Ellison,

Best Face Mask
Summerour

Armando Hernandez, Stephen Gonzalez,

Environmentally Friendly and Cost Effective Desalination
Summerour

Alberto Bucio-Garcia, Erick Vega, Simon Li

Different Structures and Materials Against earthquakes
Summerour

Adrian Campa, Calvin Vuu, Nghia Pham

Water Desalination
Sweetwater

MIDDLE SCHOOL

Ian Portillo-Franco, Michael Ajagba, Matthew Selyukov

Filtering vs Boiling: Which is most efficient?
Sweetwater

Anthony Arroquete, Juan Gutierrez-Gonzalez, Jeremy Alvarado-Herrera

Electromagnetism to Clean the Beaches
Sweetwater

Iretioluwa Ayetan, Katilyn Culberson, Caroline Harris

Rad-ish Plants
Twin Rivers

(ENMC) Engineering Mechanics

Genesis Ramirez Hernandez, Jonathan Santos

Low-Velocity Parachute for Low-Impact
Berkmar

Malakai Demmons

Just Plane Fun
Grace Snell

Carson Klinger

Emergency Vehicle Dectector
Hull

Ethan Anderson

Do Different Bearings Affect the Speed of
Skateboards?
Lanier

Harrison Glaser, Waylan Sellers, Charlie Barrett

Turbo Mach 5 Piston
Osborne

Ebenezer Euel, Leland Meadows

Exploration of Aerodynamics
Snellville

Addison Powell, Ana-Maria Munteanu

Tilt Alert
Twin Rivers

Francine Delgado, Annie Golas, Nneoma Mbah

Interspace
Twin Rivers

Doniyor Arorkulov, William Holmes,

The Evolutionary Microcompass
Twin Rivers

Lily Graham, Matthew Shuster

Pedestrians vs. Cars
Twin Rivers

Addison Minor, Stephanie Hart

Seatbelt Alarm
Twin Rivers

Mario Butler, Sean Forbes, Jamari Sumpter

Heat Reader 5,000
Twin Rivers

Michael Anderson, Arianna Arizabaleta, Maahie Patel

Bike Signals
Twin Rivers

(MATS) Materials Science

Zaara Mohammed

Salt vs. Sugar
Berkmar

MIDDLE SCHOOL

Nysa Khimani

Using Parachutes are Fun, but being Safe is more Fun!
Crews

Jacob Nguyen

Application of Thermoplastics: 3D Print Pediatric Prosthesis Foot
Five Forks

Ansley Robinson, Lily Robinson

Candle Burning
Osborne

Anaye Mansaray, Mackenzie Grave

The Effects of Popular Drinks on Teeth
Shiloh

Mariela Rosales Lopez

What Type Of Mask Is Best To Absorb Saliva For Global Pandemic
Summerour

(MCRO) Microbiology

Neo Heckman

Effect of Humidity on Mold Growth
Hull

Jewelle Beckford, Maya Sanjeevirao, Caitlyn Koo

Study of Factors Affecting Yeast Growth
Hull

(PHYS) Physics & Astronomy

Beckham Duong, Alexander Phouangmalay

Balloon Car Trials
Berkmar

Charlene Nguyen, Emily Philaphet

Development of a Balloon Car
Berkmar

Kendrick Huynh, Josue Sotelo

The Ram Car
Berkmar

Kuvam Bhatia

How is strength of a magnet affected by its temperature?
Lanier

Ethan Baldwin, Troy Thompson

The Centrifugal Force of a Roller Coaster
Osborne

Joseguillermo Perez, David Contreras, Willberth Escalante

Amount of Energy and Brightness of Bulb
Summerour

Erin Emilia, Hailey Morales-Cruz, Jermiah Smith

Does Size Matter For a Parachute?
Summerour

(PLNT) Plant Science

Senaya Abraham, Emmanuella Boakye

Plant growth in different types of soil
Bay Creek

Ethan Tomblin

Plant Growth
Berkmar

Alana Broxton, Swechha Singh

Aspirin & Roses
Hull

MIDDLE SCHOOL

MIDDLE SCHOOL

Kristina Hall, Annmarie Worley, Katherine Rodriguez

Sugar's Effect on Cut Roses
Lanier

Ruby Mullenax, Jules Diaz

What can be added to Martian soil to improve plant yield?
Lanier

Kara Brimmer, Hannah Dang, Brooke Griffith

Growing Cress in Milk and Water
Lanier

Lacey Campbell, Clara Francoeur, Raygan Cumbie

What do plants grow best in?
Lanier

Temperance Barrios

Marigold Investigation
Lanier

Connor Krenner

What common fertilizer brand helps plants grow best?
Lanier

Bella Lacson, Brooks Rineer, Sabrina Brewer

Which type of fertilizer helps plants grow taller?
Lanier

Parth Patel

What is a Plant's Favorite Drink?
Northbrook

Katherine Dyar, Alysia Kim, Joyce Lee

Rockin' Plants
Osborne

Carson Goodman

Planting with Notes
Osborne

Philip Dismukes

Monitoring Plants
Shiloh

Andres Solorzano Penalver

Growing Beyond Earth
Twin Rivers

(ROBO) Robotics & Intelligent Machines

Rahil Shah

Self-driving Mechanism for Automatic Removal of Trash
Hull

Mia Marshall

Hair Care Reimagined
Jones

Nathalia Rivera

The Note Corrector
Jones

Collin Zhu, Emmanuella Olusola,

What you should bring in a tornado shelter
Jones

Brooklyn Miller

To See With Your Eyes
Jones

Aidan Moore

Stopping Speeding
Jones

MIDDLE SCHOOL

Abbey Brown

Human Injuries and Physical Therapy
Jones

Adriana Thomas

Making a Robotic Hand from Recycled Materials
Snellville

Jesus Montes De Oca, Santiago Acosta,

Homemade Robot
Summerour

(SOFT) Systems Software**Angelic Grace Maleche**

Coding Police
Berkmar

Linn Nguyen, Elsy Santos

Hereditary Disease: How can we predict them in
offspring?
Jones

Michael Sutu

Cyber Security AI
Jones

Briana Codrescu

Mathematics Helper!
Jones

Benjamin Ellefson

A.I. with Tic Tac Toe
Jones

Elle Schrage, Claire Ezell

Selective Breeding
Jones

**(TMED) Translational Medical
Sciences****Nyambura Sallinen, Keshvee Sekhda**

IdentiCan: The App That Detects Lung Cancer
Lanier

Hosana Mengesti

Covid-19 Isn't Canceled...Wear Your Mask!
Shiloh

**Michael Fuentes Roque, Brandon Beskas, Kevin
Arango**

The Vitamin D Project
Twin Rivers

Jahzara Agard, Hanul Jeung, Sydney Rudell

Protecting Your Skin
Twin Rivers

Eric An, Spencer Ansley, Adrian Garcia

Voice of the Mute
Twin Rivers

Sydney Dickson, Legacy Phillips

Snap the Dot
Twin Rivers

Shane Abraham, Erick Hannah, David Robinson

What's Going on Inside Your Muscles?
Twin Rivers