

Winners

2018 Divisional Award Winners

Elementary

Exemplary Elementary Projects

Shaping the Future of Solar Power
Students: Tye Coury and Nya Coury

Do Worms Like it Hot or Cold?
Student: Ashwin Varadarajan

Distillation and Desalination
Students: Odessa Hood and Alexis Skipper

Drab or Fab? Where do the 'Keets Eat?
Student: Jack Bivins

Go Green with Grass
Student: Robert Jones

Attention Passengers: Beware the Effects of Changes in Center of Gravity on Airplanes
Student: Scott McFarland

Natural Defense Against a Natural Disaster
Student: Trace Jordan

Helium Hero
Student: Lucy Walsh

Moisture: Keeping it in the Skin
Student: Jordan DeVoid

Brady's Folly
Student: Alex Ferretti

Junior – Biological A

Junior Biological Science A – 3rd Place

Barnacles: It's All About Location
Student: Riley Hubard

Junior Biological Science A – 2nd Place

How Does Wifi Effect Plant Growth?
Student: Cooper Herrett

Junior Biological Science A – 1st Place

One grass, two grass, old grass, new grass: Tropicalization and its effects on a coastal marine ecosystem
Student: Regan Williams

Junior – Biological B

Junior Biological Science B – 3rd Place

How does light wavelength affect plant growth?

Student: Elliot Neve

Junior Biological Science B – 2nd Place

From which fruit can you extract the most DNA?

Student: Sadie Baldwin

Junior Biological Science B – 1st Place

Music for the Mind

Student: Carlin Patterson

Junior – Chemistry**Junior Chemistry – 3rd Place**

Water Falls to Water Balls

Student: Ashley Hayes

Junior Chemistry – 2nd Place

Fanatastical Fluorescence

Student: Jillian Green

Junior Chemistry – 1st Place

Are There Food Dyes In Unexpected Places?

Student: Sydney Cortina

Junior – Earth/Environmental Science**Junior Earth/Environmental Science – 3rd Place**

Can Magnetic Force Help Cleanup Deepwater Oil Spills?

Student: Jocelyn Hoehn

Junior Earth/Environmental Science – 2nd Place

Keep My Water Clean

Student: Gerrit Roska

Junior Earth/Environmental Science – 1st Place

Lethal and sub-lethal effects of the polyfluorinated compound, GenX, on the Eastern oyster, *Crassostrea virginica*

Student: Uma Volety

Junior – Physics/Mathematics**Junior Physics/Mathematics – 3rd Place**

Pulley Power

Student: Stephen Mattis

Junior Physics/Mathematics – 2nd Place

This Is Rocket Science

Student: Gabriel Dietlin

Junior Physics/Mathematics – 1st Place

Roller Coaster Momentum

Student: Hallie Hancock

Junior – Technology

Junior Technology – 3rd Place

ROV Oyster Rock Survey

Student: Zoe Elliot

Junior Technology – 2nd Place

Stop! Danger Zone!

Students: Carrington Sydes and Caroline Cubas

Junior Technology – 1st Place

Is a Slow Burn Worth it?

Student: Kate Ragan

Junior – Engineering

Junior Engineering – 3rd Place

Crumb No More

Students: Julia Lassiter, Kayla Pressley, and Emma Wightman

Junior Engineering – 2nd Place

Zoom without a bruise

Student: Isabella Batson and Akye Nixon-McCray

Junior Engineering – 1st Place

Propulsion Without Emissions!

Student: Bailey MacVaugh

Senior – Biological A

Senior Biological Science A – 2nd Place

Honey versus Commercial Rooting Hormone

Student: Joseph Kelly

Senior Biological Science A – 1st Place

Analyzing the Teratogenic Effects of Fast Food Packaging Contaminants on *Drosophilla melanogaster*

Students: Hanna Azizi and Yasmin Azizi

Senior – Chemistry

Senior Chemistry – 3rd Place

The Concentration Situation

Student: Joseph Holmes

Senior Chemistry – 2nd Place

Improvement of the Standard Conventional Method for the Isolation of Curcumin to Produce Greater Yields

Student: Vidya Gadikota

Senior Chemistry – 1st Place

Development of a Mathematical Algorithm Modeling the Bioaccumulation of Styrene in the New Hanover County Materials Recovery Facility Through the Analysis of Volatiles Emitted from Recyclable Plastics

Student: Zane Dash

Senior – Earth/Environmental Science**Senior Earth/Environmental Science – 1st Place**

Stormwater Drainage Inlet Configuration: Determining Plastic Waste Prevention Efficiency Between Local Inlets and Retrofitted Design

Student: Jonathan Morales

Senior – Physics/Mathematics**Senior Physics/Mathematics – 1st Place**

Altitude Accuracy

Students: Andrew Katz and Jacob Usher

Senior – Technology**Senior Technology – 3rd Place**

Pedal Power

Students: Emma Andre, Justin Holland, and Lourdes Martin

Senior Technology – 2nd Place

Emergency Urgency

Students: Saher Agil and Kieran Schwartz

Senior Technology – 1st Place

AzureVoice – A Novel Approach for the Early Detection of Parkinson's Disease using an Android App and Artificial Intelligence

Student: Koushik Sridhar

Senior – Engineering

Senior Engineering – 2nd Place

B-Right Starts

Student: Caroline Beaty

Senior Engineering – 1st Place

Test Pacer 5000

Students: Brian Carrington, Jason Lassila Jr., and William Price