

2022 Cenovus Energy's Eastern Newfoundland Science Fair Summary

Junior Life Sciences

The Concentration of Vitamin C in Citrus Fruits-

Bronze

Alexander Evermann – MacDonald Drive Jr. High School

Teeth Whitening Strawberries-

Alishba Azrin & Nate Lake – MacDonald Drive Jr. High School

Algae: The Future of Biofuels

Gold

Alpita Patro – MacDonald Drive Jr. High School

Visual Search

Bronze

Anna Zhao – St. Bonaventure's College

Age Versus Reaction Time

Bronze

Emma Donovan – St. Bonaventure's College

Influence of Caffeine on the Stroop Effect

Bronze

Joyeeta Goyali – MacDonald Drive Jr. High School

Does the Five Second Rule Work?

Silver

Vidya Chedella – MacDonald Drive Jr. High School

Junior Physical Sciences

Which Super Glue is Stronger?

Silver

Abbey Janes – MacDonald Drive Jr. High School

Gravity: What, Who, How?

Bronze

Madison Drover – St. Bonaventure's College

Waste-to-Energy, Is It the Right Solution to Our Waste Management...

Gold

Makenzie Wishart – St. Bonaventure's College

How Sugary Drinks Affect Your Teeth**Bronze**

Matthew Earle & James Piercey – MacDonald Drive Jr. High

Do Rubber Dryer Balls Reduce Drying Time?**Silver**

Millie Janes – MacDonald Drive Jr. High

Comparing the Porosity and Permeability of Various Materials**Silver**

Jorja Breen & Ariana Cosmo – St. Bonaventure's College

Triboelectric Effect and Nanogenerator**Gold**

Sophia Zhang – St. Bonaventure's College

*Intermediate Life Sciences***Growing An Organ: How Stem Cells Can be Used to Bioengineer An Organ****Gold**

Adhira Ganesh- MacDonald Drive Jr. High

Yeast B'y**Silver**

Andrew Simms- Holy Spirit High School

Analyzing SARS-CoV-2 Variants Using Protein Sequencing and Bioinformatics**Gold**

Tanish Bhatt- Gonzaga High School

*Intermediate Physical Sciences***How Culvert Design Affects Climate Change Resiliency of ...****Bronze**

Dipayan Dhar – Gonzaga High School

Effect of Surface Tension at Air-Fluid Interface on Floating and Sinking...**HM**

Orpa Hawlader – MacDonald Drive Jr. High School

The Future of Energy: Vertical or Horizontal

Lakshmi Prajwala Chedella – Holy Heart of Mary High School

Senior Life Sciences

Does Caffeine Mean More Green? How Caffeine Affects Plants **Bronze**

Emily Simms – Holy Spirit High School

Investigating the change in pH of Hydrogen Carbonate-containing Algal Beads... **Gold**

Farha Farha – Holy Heart of Mary High School

The Effect of Zinc Gluconate on Grass Seed Germination and Growth **Gold**

Megan Cui- Holy Heart of Mary High School

How Much Greens For Your Green **HM**

Rachael Moores & Moira Costigan – Holy Spirit High School

The Effect of pH on the Growth of Seedlings **Bronze**

Stephanie Pelley – Holy Heart of Mary High School

Senior Physical Sciences

Determining the Difference in Calorie Content Between Potato Chips... **Bronze**

Amy Rose – Holy Heart of Mary High School

Determining the Concentration of Ammonia Hydroxide in Glass Cleaner **Bronze**

Annie Hu- Holy Heart of Mary High School

Storm Drain Redesign **Bronze**

Caleb Lethbridge- Holy Spirit High School

The Breakdown of Soya in Pepsin and Hydrochloric Acid in Vitro **Gold**

Chaturrvi Maruthireddy – Holy Heart of Mary High School

Determining the Mass of Calcium Carbonate in Antacid **HM**

Daniel Stokes – Holy Heart of Mary High School

What is the Optimal Wind Turbine? **Gold**

Eli Paulin & Matthew Sheppard- Holy Spirit High School

Which is the Healthiest Household Fruit?

Emily Dunn – Holy Spirit High School

How Does the Temperature Affects the Sound of the Flute?

Emma Braga & Nadia Poma – Holy Spirit High School

The Pressure in Pop

Fatih Alam – Holy Heart of Mary High School

The Affect of Boiling Time on the Vitamin C Content in Various Superfoods Silver

Georgia Roberts- Holy Heart of Mary High School

The Effect of Different Water Sources on the Rate of H₂ Gas Production... Bronze

Heidi Snow – Holy Heart of Mary High School

Determining the Concentration of Vitamin C in Bell Peppers Bronze

Jenna Hu – Holy Heart of Mary High School

Dissolved Oxygen Content in Water in Newfoundland HM

Joohyeok Seo- Holy Heart of Mary High School

Determining the Mass of Nitrogen from Ammonium Fertilizer HM

Kaitlyn Ward- Holy Heart of Mary High School

Determination of the Calcium Carbonate Content in Eggshells

Katie Yanchus – Holy Heart of Mary High School

Determining the Lead Content in Soil Samples Bronze

Ky Bromley – Holy Heart of Mary High School

Extracting and Measuring the Caffeine Content in Popular Energy Drinks Bronze

Lucy Steffler-Minty – Holy Heart of Mary High School

The Effect of Temperature on the Coagulation of Casein Bronze

Manasvi Ganti – Holy Heart of Mary High School

Finding the Calcium Ion Concentration of Eggshell Water Solutions Bronze

Morgan Decker-Snow – Holy Heart of Mary High School

The Effect of Temperature on the Enzyme Activity of Pectinase

Nimeesha Vankadara – Holy Heart of Mary High School

Examining How the Application of Oils Affects the Rate of Corrosion of... Bronze

Nyamae Alloway-Pike – Holy Heart of Mary High School

How Hard is my Water?

Bronze

Rachel Pearcey- Holy Heart of Mary High School

Measuring the Mass of Iron in Plant Based Specimens

HM

Rachel Ruiz – Holy Heart of Mary High School

How Temperature Affects Spoiling of Milk

Shaharyar Siddiqui – Holy Heart of Mary High School

Does liver, yeast or potato have the most catalase enzyme activity?

Shahin Labib- Holy Heart of Mary High School

The Effect of Lactase Enzyme at Various Temperature Points in 3.25% Milk

Shathvihan Longendraraj – Holy Heart of Mary High School

Comparing the pH of Organic Lemons through Titration

Sophia Hawco – Holy Heart of Mary High School

Determining the Effect of pH on the Activity of the Enzyme Rennin

Bronze

Stella Cook- Holy Heart of Mary High School

Iodine Value

Tadiwanashe Chimuputi – Holy Heart of Mary High School

The Effect of Light Intensity and Colour Upon Dissolved Oxygen

HM

Wenxuan (Claire) Qi- Holy Heart of Mary High School

Special Awards

2022 Sanofi Biogenius Canada Award-Eastern Newfoundland

Algae: The Future Of Biofuels – Alpita Patro – MacDonald Drive Jr. High

Memorial University Entrance Scholarship

Investigating the Change in pH of Hydrogen Carbonate-containing algae.... –

Farha Farha – Holy Heart of Mary High School

Cenovus Energy Best in Fair

Triboelectric Effect and Nanogenerator –

Sophia Zhang – St. Bonaventure's College

Top 3 Projects 2022 (no specific order)

Alpita Patro- MacDonald Drive Junior High

Farha Farha-Holy Heart of Mary High School

Sophia Zhang – St. Bonaventure's College

Team NL- Canada Wide Science Fair

Alpita Patro – MacDonald Drive Jr. High

Megan Cui – Holy Heart of Mary High School

Sophia Zhang – St. Bonaventure's College

Makenzie Wishart – St. Bonaventure's College

Tanish Bhatt – Gonzaga High School

Farha Farha- Holy Heart of Mary