
Central Interior Science Exhibition 2019 Results

M U L T I P L E C A T E G O R Y W I N N E R S

FACTORS INFLUENCING UNGULATE VISITATION RATES AT A MINERAL LICK

Willa Crowley – FSJSS

- **Best in Category Life Sciences – Level 1**
- **CWSF Student for Science Fair Foundation of BC**
- **BC Nature Award**
- **UNBC Mathematics and Statistics Award**
- **Gold Medalist – Grades 7 - 12**

- ★ The purpose of my project was to determine if canids, temperature and humidity influenced ungulate visitation rates to a mineral lick, and if there was a relationship/correlation between the different ungulate species.

FOOD FIT FOR FAIRIES

Jemma Blattner - NVSS

- **Best in Category Physical & Mathematical Sciences – Level 1**
- **CWSF Student for Science Fair Foundation of BC**
- **Gold Medalist – Grades 7 - 12**

- ★ This experiment first explores the acid/base reaction in fairy candy by making three different recipes based on the pH value, acidic, basic and neutral. It then moves on to test the thermal decomposition reaction of baking soda in fairy candy using a recipe without vinegar. Participants tested all of the recipes and rated the results by preference. 100% of participants decided that the recipe involving only the thermal decomposition reaction, was the best.

DUNG DUNG DUNGG!!

Mikahla Magel & Lela Thiessen - LDSS

- **BC Agriculture in the Classroom Award**
- **Silver Medalist – Grades 7 - 12**

- ★ The purpose of our project is to see if different horse feeds affect its manure used as a plant fertilizer. we put a horse in a stall and put her on a three day diet with three different types of feeds a week apart then collected its manure. Then diluted soil with each poop and planted tomato observed growth and oddities. Hay, beet pulp, profiber crunch. we both think Pro-fiber crunch would help the tomato.

TREES IN 800 DEGREES

Elli Carpenter – Evelyn Dickson

- **CANFOR Forestry Award**
- **Silver Medalist – Grades 4 - 6**

- ★ Forest fires surrounded our community last summer. As a result, I wanted to test the effect of the soil, depending on how close it was to the fires, on tree growth. Two different types of tree saplings were grown in 4 different types of soil: potting mix, Vanderhoof soil, Fraser Lake soil with ash, Shovel Lake fire soil.

RAISING QUEENS

Ronan Blattner – NVSS

- **GENOME British Columbia Award**
- **Gold Medalist – Grade 7 - 12**

- ★ This experiment looks at the different local ant species to see which is best suited for captive care. Thirty-three queens were caught after their nuptial flight and then placed in a test tube set-up to mimic their claustral cell, the first cell a queen ant digs to raise her brood. Of those queens caught, nine queens from three different species, laid a brood and one developed nanitics, the first workers.

Divisional Winners

B R O N Z E – G R A D E S 4 - 6

HOW ACIDIC IS YOUR DRINK

Rheanna Leith & Kaylee Levick – William Konkin

- ★ Testing the Ph levels in various drinks to show people how acidic or alkaline the drinks we choose to drink every day are. We used Ph drops to do the testing. Linking the testing to making healthier choices and to also consume less plastic for our environment. Not only putting less acidic drinks into our bodies but less waste in the environment. Living a healthier life making better choices.

WHY DOES SMELL AFFECT TASTE?

Soren Persson – Sinkut View

- ★ Soren wanted to test if smelling one food while tasting another would affect if the test subjects could come up with identifying the right food.

STICKY STICK GLUE STICK

Skyler Hanks & Jaidyn Erickson – David Hoy

- ★ Five different glue sticks were tested to determine which one sticks the best. We used different brands of glue sticks, clothes pins and paper. A 10 Newton Spring Scale was used to measure the force needed to pull the clothes pins off the paper.

THE POWER OF INSULATION

Emily Bueckert & Sophia Harvey – Evelyn Dickson

- ★ Basic introduction to different materials' property of insulation (while wet and dry). Materials used were cotton, polyester and wool. Potatoes were heated and placed into socks of the aforementioned materials; temperatures were taken by an infrared thermometer at designated (3 minute) intervals.

CATAPULT POWER

Tristan McNolty & Levi Anderson – Fraser Lake Elem. / Sec.

- ★ Researchers tested a catapult using a different number of elastics per trial. The distance a clay ball was launched was measured in meters. It was discovered that the catapult exerted more force on the clay ball, thus launching it a further distance, when the number of elastics was increased on the catapult.

5 SECOND RULE: FACT OR FICTION?

Kira James – David Hoy

- ★ I wanted to test if the five second rule should be followed or not, because often at my school, people drop food on the ground and then eat it after saying, "five second rule!" I wanted to see if it was sanitary or not.

EXPOSING CHAPSTCKS

Luca James & Zuri Grondin – David Hoy

- ★ We tested to see which product would help an apple slice retain the most moisture when set in a dehydrator for 12 continuous hours. We came up with our project because we wanted to know if there was a way that we could accurately test how reliable different lip products were.

DO YOU HAVE A SWEET TOOTH

Bowen Webb – Fraser Lake Elem. / Sec.

- ★ Using different types of sugar of the same quantity, determine and compare the amount of cotton candy that will be produced by each of the sugar types.

THE NEED FOR SPEED

Jade Lepoideven & Maddie Hedstrom – Fraser Lake Elem. / Sec.

- ★ To determine how the size of a soccer effects the distance it will travel. Using a stationary platform that the balls can roll down and a heavier ball that acts as a "kicking" force. Balls will be rolled 8 times and distance measured.

WHICH BOTTLED WATER IS HEALTHY WATER

Ayianna Johnson – Babine Elem. Sec.

- ★ For this project you must have 8 or more different types of bottled water. Along with 8 or more test tubes filled with an equal amount of bottled water liquids of 20 ml. Then add at least 2-3 drops of your Ph drip tester depending on amount of liquids. At this point you will see in result if the differences of the colors will result in the colors of the Ph scale.

I'M GOING BANANAS

Laurie Wilson – William Konkin

- ★ For my science fair project, I dehydrated green bananas and then made a natural flour out of bananas and then made healthy banana cookies with the flour.

HOT OR COLD YAY OR NEIGH

Aurora Lea – Decker Lake

- ★ This project focused on measuring the surface temperature of horses with and without winter blankets to see if wearing a blanket does in fact make a difference to the animal's temperature.

DO ANGLES MATTER

Cassidy MacDougall & Nyah Duncan – Fort St James Secondary

- ★ We had three grade eight girls and three grade eight boys, with different skill levels in basketball, each take two shots from six different positions on the court. We then calculated shot accuracy and percentage.