

Proj.#	First Name	Last Name	Cate Divisio	Project Title	Project Summary
1	Aanud	Mohamed	Elem	Exhibit Frozen Salt	Do you ever wonder what will happen to the ocean/sea(s) in the winter? We all know that fresh water freezes at 32 degrees Fahrenheit (0 degrees Celsius), but seawater freezes at 28.4 degrees Fahrenheit (-2 degrees Celsius). I wanted to test saltwater and see if it freezes with different amounts of salt. I tested it out and you will be surprised with the results.
2	Tyler	McGowan	Elem	Exhibit Crystal Clear	To see if activated carbon will work to filter the colour out of a sports drink and to see if letting our mixture/solution sit for different amounts of time would affect the results.
3	Owen	Agar	Elem	Exhibit Bridges	I am testing the different types of bridge structures (truss bridge, beam bridge etc.), to see which is more structurally sound, and will hold more weight.
4	Shaptarshi	Momo	Elem	Exhibit A-Peeling DNA	Every living thing has its own DNA. Bananas are no different. My project is finding the amount of DNA in bananas. There were 3 bananas (green/under ripe, yellow/ripe and black/over ripe) as my dependent variable. The materials used to separate the DNA from the banana (salt, water, soap and rubbing alcohol) will be my independent variable. After mixing the salt, water and soap to the already mashed bananas, filtering it into a cup, pouring a layer of alcohol on top of the "banana juice" and waiting for an hour, there was a clear layer of DNA that precipitated through the alcohol. This experiment did support my hypotheses that the older a banana is, the more DNA it will have.
5	Sarim	Khan	Elem	Exhibit Which Food Will Mold The Fastest	My project is to demonstrate how certain food categories/items gets mold faster than others. Also, what are the contributing factors that these foods gets mold.
7	Ambreena	De Menech	Elem	Exhibit Magnet Power	One day, I was putting my mother's calendar on the fridge. I was using some weak magnets so I was running out of space on the top edge of the calendar. My father suggested that I should stack two magnets on top of each other to make them stronger. That started a discussion which gave me an idea for a science project. I wondered whether stacking two magnets together or putting them side by side would be make them stronger so I decided to experiment to test the difference.
8	Owen	McCarthy	Elem	Exhibit AshTag Save The Trees!	My project is about developing an App for smartphone owners who can use it to report sick Ash Trees in the city of London, Ontario, Canada.
9	Pavlos	Constas	Elem	Exhibit Crystallization of Chocolate	Chocolate has 6 crystalline phases: Phase I, II, III, IV, V, and VI. Phase V being your average chocolate. Each of these chocolate phases have a different melting temperature (°C) I=18 II=22 III=26 IV=29 V=34 and VI=36. If you look at chocolate in different phases you will see that it has a different crystalline structure of the fats in it, making the texture and the hardness different. Another thing that changes the hardness of chocolate is tempering. Tempered chocolate is hard and has a nice glossy look, on the other hand un-tempered chocolate is soft and looks dull.
45	Yolanda	Jiang	Elem	Exhibit Plant and Sugar Experiment	use the same type of plant and the same amount of water and sunshine. a plant will be our base plant so we don't add any sugar. plant no.1 will have 1 teaspoon of sugar. plant no.2 will have 2 teaspoons and plant no.3 will have 3 teaspoons. we want to know which amount of sugar grows the best.
46	Sara	Elmaghraby	Elem	Exhibit Animal Translator Theory Project	My project talks about whether or not scientists are going to invent a way of communicating with animals. I decided to do this project because I love animals and I want them all to stay safe. I realized that humans sometimes put animals in danger even though humans depend on some animals. With this project, I want to help animals survive and maybe someday, I will be a scientist and find a way to communicate with animals or understand them or even have an idea about their feelings, and protect them.
47	Zainab	Rizvi	Elem	Exhibit Investigation of Different Ink Messiness	Investigation of different inks messiness In this project, I will investigate different ink mess is produced when water/liquid spills on it. I will explore and determine which brand name pen ink create less mess.
48	Hannah	Neilson	Elem	Exhibit Should you Switch Toothpaste?	I will test how effective several different types of toothpaste are at removing stains. I will use flooring tile to stand in for real teeth.
49	Amy	Zhu	Elem	Exhibit Jupiter	This project is all about Jupiter. It contains information about the main moons, the rings, the storms, and the climate. It also includes a model of Jupiter and its moons.
50	Arham	Aziz	Elem	Exhibit The Use of Iron Powder to Clean Oil Spills on Water	Oil is the most common pollutant in the oceans. More than 3 million metric tons of oil contaminates the sea every year, which causes great damage. Most animals aren't able to swim because of the oil spill and may drown. The clean-up may take many months, even years with the spending of millions of dollars. I checked paper towel, styrofoam and iron powder to clean up oil spill. Each type of material absorbs oil in differing amounts. Out of all three procedures adopted to clean up oil spills, Iron powder was the fastest to absorb oil as well as absorb maximum amount of oil compared to styrofoam and paper towel.
51	Tyler	Dubois	Elem	Exhibit Rusting Steel Wool in Different Liquids	This projects studies the rate at which steel wool rusts in different liquids. The liquids chosen were tap water, salt water, vinegar, coke and alcohol.
52	Ghd	Alshaikh	Elem	Exhibit Are You Buying the Product or the Brand?	In this project I tested 4 types of detergents (Tide, Gain, Xtra, and Clorox2), to see which one would provide the cleanest and most pleasant smelling results. For further interest, I also liked to see if the detergents price mattered. I tested each detergent with 4 types of stains (lipstick, hot sauce, ink, and chocolate hazelnut spread) to see which detergent is more effective with removing each stain. I put on an anonymous survey to take peoples opinion to see which detergent was the most pleasant smelling. The results showed that the overall best detergent was Clorox 2. However the most pleasant smelling detergent that was chosen by the participants of the survey was Gain. This finding indicated that the detergents price did not matter.

