

## 1. Physical Science 1A (Physics/Chemistry) and 1B (Eng/Robotics)

Name / Group	Title	Category	Table in Gym
Jayden Mathew, Raaghav Potini, Kishan Menon, Yohann Guard	Thermal Conductivity of Metal : which metal is the best conductor of heat?	Physics/Chemistry	1A
Sai, Suha, Nisa and Norah George	Does Slime Dissolve in Vinegar?	Physics/Chemistry	1A
Naisha Hamirwasia, Kerri Gaur	How lemon can be a conductor of electricity?	Physics/Chemistry	1A
Arhaan, Eshan Garanedkar	World's Simplest Electric Train	Physics/Chemistry	1A
Atharva Joglekar, Araman Iyer	Can electricity pass through nails, copper wire and vinegar	Physics/Chemistry	1A
Samuel Lohman	How to make the stretchiest putty, determine the best recipe for your own homemade silly putty?	Physics/Chemistry	1A
Rohan Chacko, Liam Hara, Divin Puthenpurakal	Food Battery	Physics/Chemistry	1A
Samantha Skurka	What is even cooler than dry ice?	Physics/Chemistry	1A
Ashvik Singh, Rishi Ravindrakumar	Electricity with everyday items used to power a clock	Physics/Chemistry	1A
Brooklyn Landtiser, Karissa Patel, Priyanka Singal, Maddie Duker	Bubble-ology	Physics/Chemistry	1A
Eric and Tiana Prakash	Homemade microscope hydrophobic sand experiment	Physics/Chemistry	1A
Shaun Chen	Blobs in the battle (Density)	Physics/Chemistry	1A
Neal Kapadia	How does gravity work?	Physics/Chemistry	1A
Divya Date, Sahana Ram	Light Science	Physics/Chemistry	1A
Shanmukha Addanki, Aarnav Nanda, Reyansh Pothois, Daksh	Acid/Alkaline tests	Physics/Chemistry	1A
Sahana Kuttalingham	Can energy be created or destroyed?	Physics/Chemistry	1A

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Rithik Thekiniath Shanmukh Upadhyayula.	M pemba effect: does hot water freeze faster than cold water ?	Physics/Chemistry	1A
Atmaj Shelar	Are permanent markers really permanent?	Physics/Chemistry	1A
Samarth Sringeri	How to clean pennies?	Physics/Chemistry	1A
Vinaya Premkumar	Seeing magnetic field pattern.	Physics/Chemistry	1A
Ishaan Aggarwal	Does electricity move better through thick or thin wires?	Physics/Chemistry	1A
Aanish Kamdar	What is the physics of a golf swing?	Physics/Chemistry	1A
Aaheli Mukherjee	Physical and chemical change?	Physics/Chemistry	1A
Had Omar, Risa & Dana Khasawreh	Light circuit!	Physics/Chemistry	1A
Neza Osojnik	How to grow rock candy crystals	Physics/Chemistry	1A
Urban Osojnik	How to grow the best and largest crystals ?	Physics/Chemistry	1A
Shravika Sivannagar	Fire and oxygen: do you think fire needs oxygen?	Physics/Chemistry	1A
Aidan Miller	Why do we use salt on the road to melt ice?	Physics/Chemistry	1A
Amr Alomari	Paper Chromatography	Physics/Chemistry	1A
Saswati Parthibban	Potato Battery	Physics/Chemistry	1A
Rahul Patel	What types of liquids are acidic or alkaline?	Physics/Chemistry	1A

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<b>MAcy Evans, Hailee Pietryk, Maya Singal, Emerson Hallihan</b>	How does changing an "art robot's" design affect how it draws	Engineering/Robotics	<b>1B</b>
<b>Gabriela</b>	How does the vacuum system work?	Engineering/Robotics	<b>1B</b>
<b>Joshua Duker, Kadon Emmanuel</b>	How does a hovercraft work?	Engineering/Robotics	<b>1B</b>
<b>Marco and Diego Campagna</b>	Mini water pump	Engineering/Robotics	<b>1B</b>
<b>Hrudha Naukudkar</b>	Snap circuit	Engineering/Robotics	<b>1B</b>
<b>Vennela Reddy Ramireddy, Megihana</b>	Fire work science	Engineering/Robotics	<b>1B</b>
<b>Divya Baliga</b>	How does a hovercraft work?	Engineering/Robotics	<b>1B</b>
<b>Shriya Sringeri</b>	How to make a bouncy ball? How to vary bounce?	Engineering/Robotics	<b>1B</b>
<b>Geonuoo</b>	The principle of a parachute!	Engineering/Robotics	<b>1B</b>
<b>Yeonwoo PArk</b>	Magnetic car!	Engineering/Robotics	<b>1B</b>
<b>Sahana Ram</b>	Balloon powered car!	Engineering/Robotics	<b>1B</b>
<b>Sahana Srilam</b>	Does sound travel through air?	Engineering/Robotics	<b>1B</b>
<b>Kaitlyn</b>	Electromagnestism: battery train	Engineering/Robotics	<b>1B</b>
<b>Ruhann Jain</b>	Is your smartphone really safe with a fingerprint scanner ?	Engineering/Robotics	<b>1B</b>

## 2. Earth Science

Name / Group	Title	Category	Table in Lunchroom
Monasvi Rajashonkar, Sriya Kota, Naisha Sarna	What are Tsunamis and how do they form	Earth Science	2
Damien Vienneman, Colby Schmidt	How does a Tsunami work?	Earth Science	2
Kavya Chawla	How do the seasons change in each hemisphere?	Earth Science	2
Shraddha Hariharan	Nature?	Earth Science	2
Aanya Thaker	How do Volcanoes erupt?	Earth Science	2
Anirban Mukherjee	Global warming: causes, affects and solutions	Earth Science	2
Varsha Guttikonda	CLimate change: the real danger	Earth Science	2
Ansh Jain, Rohan Gulati	Phases of the moon	Earth Science	2
Sona Shastri	Why is the sky blue?	Earth Science	2
Reyaansh Bhagat	Volcano Eruption	Earth Science	2
Nitya Jayasankar	How does rain form? A demonstration of the water cycle.	Earth Science	2
Eva and Matthew George	Catch a rainbow!	Earth Science	2
Aryana Saigar, Sofia Rodrigez	How do you make a cloud in a bottle?	Earth Science	2
Shriya Tiwari	What does the solar system look like? How do day and night happen?	Earth Science	2

**3. Biology/Life Processes 3A. Biology & Human Health  
3B. Microbiology & Food Science**

Name / Group	Title	Category	Table in Lunchroom
Hamsika Thumu, Hannah Krause, Diya Hugar	What is the effect of caffeine on the heart rate?	Biology/Health	3A
Henry P Rao	Controlling blood flow: create stimulation of blood flow and investigate coagulants and anti-coagulants.	Biology/Health	3A
Nandan Nadkarni	The science behind the perfect plant food	Biology/Health	3A
Uma and Carissa Bisal	Ph levels in the human body	Biology/Health	3A
Shanmukha Addanki, Aarnav Nanda, Reyansh Pothois, Daksh	Brain is influenced by words and pictures ? ***	Biology/Health	3A
Molly and JAke Quinn	What is Type 1 diabetes and its special requirements?	Biology/Health	3A
Matthew George	Anatomy of the foot and ankle	Biology/Health	3A

**3. Biology/Life Processes 3A. Biology & Human Health  
3B. Microbiology & Food Science**

Name / Group	Title	Category	Table in Lunchroom
Krish Dave, Daniel Mathew	Acid levWhich method is most effective in eliminating bacteria and germs ?	Food Science	3B
Aasav Jhaveri	CAn food create energy ?	Food Science	3B
Joshua Mathews	What type of citrus juice affects oil the most	Food Science	3B
Krish Patel, Aryan Jadhav	World of bacteria	Food Science	3B
Samantha Narchetty	Does the food really remain clean if picked up within 5 seconds?	Food Science	3B
Anoushka Sandeep, Riya Gupta	Effects of soda?	Food Science	3B
Kanishk Jain	Why is it important to wash hands before eating?	Food Science	3B
Rhea Chacko, Saanvi Agarwal	What happens when an egg is immersed in vinegar for a day?	Food Science	3B
Aidan Wanzeck	What type of soda will make the biggest geyser when mixed with mentos.	Food Science	3B
Sri Yuktha Matcha	Bouncy Egg! /Sugar density!	Food Science	3B