

Welcome to the  
**St. John Paul II School**  
High School Division  
Science and Engineering Fair



Wednesday,  
**February 8, 2023**  
**5-7 pm**

- 1) What Effects do Acidic, Basic, and Neutral Liquids Have on the Structure of Bones? .....Oliver Affonso
- 2) Growth of Rapid Fescue vs Fescue Grass Seed.....Harry Baroni
- 3) White Nose Syndrome Investigation.....Mugsy Batchleder
- 4) Air Pressure and Angles: Effects on a Ball's Distance.....Cody Boghdan
- 5) Do Soil Nitrogen Levels Influence a Tomato's pH?.....Nora Bruinooge
- 6) Changes in Heart Rate and Carbon Dioxide in Exercise .....Sebastian Burke-Lukac
- 7) Additives' Effects on the Speed at Which Ice Melts.....Devin Crofford
- 8) Measuring Nutrients in the Different Ripening Stages of Bell Peppers.....Mia Curley
- 9) Do Different Percentages of Milk Fat Affect Ice Cream Melting Rate?.....Angelina Cuthbert Manchuk
- 10) What common medium can best grow alfalfa sprouts? .....Ava Czech
- 11) The Effect of Light on Plants .....Saoirse Diver
- 12) The Saponification Process: the effect of fragrance oils on setting time.....Michaela Enright
- 13) Stabilizers' Effect on Chlorinated Pool Water.....Olivia Evans
- 14) How Temperature Affects the Growth of Mold.....Elyse Giannakoulis
- 15) How Magnetic Fields Affect Ants' Behavior .....Quincy Hietsch
- 16) Does the Temperature of the Air Affect the Air Pressure of a Basketball?.....Marlo Jumper
- 17) How Does Fertilizer Affect Bean Plants? .....Ellie Kowal
- 18) Can Superworms Survive on a Diet with Polystyrene? .....Aleksander M-Borkowski
- 19) Plants in Space .....Brian Mancinelli
- 20) Does the Color of Honey Affect its Glucose Level?.....Leah McManus
- 21) The Distance the Ball Travels on Different Surfaces.....Lily McNamara
- 22) What Solution Melts Ice the Fastest.....Alex Morin
- 23) Lung Capacity and Heart Rate of Conditioned vs Unconditioned Athletes .....Sophie Philbrick
- 24) Nitrogen, Phosphate, and Potassium in Fertilizers .....Anna Schlegel
- 25) What Building Material Best Protects Insulation from Fire? .....Gabe Spadaro
- 26) How Temperature Affects Battery Life.....Ava Todd