

Fairchild Wheeler Science Expo Winners

Biomedical and Zoological Sciences

School	Grade	Name of Participants	Name Of Project
FW BZR	9	Lia Bonfietti-Csvihinka (1)	Topical anesthetic efficacy on various ailments
FW BZR	9	Rhea Grant (2)	How music effects concentration
FW BZR	9	Elija Rodriguez (3)	The positive impact of bivalve mollusks in the Long Island Sound
FW BZR	10	Maia Mneimne (1)	The effect of blacklight radiation in the gas emissions of yeast cultures
FW BZR	10	Danna Portillo & Sydney Kmetz (2)	Are your eyes playing tricks on you?
FW BZR	10	Harley Webley (3)	Be still, my beating heart
FW BZR	11	Natalia Kembaren (1)	The Stroop Effect
FW BZR	11	Cecilia Rivas & Brian Ranger (2)	What are the effects of different beverages on the human body?
FW BZR	11	Sabrina Keo (3)	Stroop Effect

The Information Technology School

FW IT	9	Mikael Saladores (1)	Electromagnetic Wave interruption: Wifi strength interference by household materials
FW IT	9	Matthew Romano (2)	Malware protection: How safe are you?
FW IT	9	Eduardo Mena (3)	How does caffeine affect plant growth?
FW IT	10	Lauryl Ashong (1)	Stem Reactions
FW IT	10	Richard Lavalley (2)	Reflection
FW IT	10	Joel Perez & Ian Zak (3)	Computer's Write Speed
FW IT	11	Thomas Pond (1)	How does the weight of a wind turbine blade affect energy output?
FW IT	11	Iffatara Chowdhury (2)	Soda Cup Deterioration
FW IT	11	Araceliz Gomes (3)	Paper Ink Chromatography: Is black ink really black?

Aeronautics and Engineering School

FW AERO	9	Alec Mehra & Jake McNeil (1)	Gauss Cannon
FW AERO	9	John Coughlin & Shubham Singh (2)	The suspended machine
FW AERO	9	Emilie Alber (3)	The biomimicry of whale fins
FW AERO	10	Anubhar Dhar (1)	The application of sub-undulatory locomotion principles utilized by sub-carangiform swimmers to increase submersible efficacy
FW AERO	10	Colton Moore (2)	Biogas: Efficient bio-digestion for internal combustion engine application
FW AERO	10	Julia Codere (3)	Radioactive decay in a cloud chamber
FW AERO	11	Graham Bonnell	Hydrogen fuel cells: How electrode material affects them
FW AERO	11	Mark Sullivan	The aerodynamics of dimpled spheres
FW AERO	11	Lais Dasilva	How does the composition of water mixtures affect the amount of energy in a hydrogen fuel cell?

Honorable Mentions

IT:

9th: Wen Jay Lim

10th: Sabrena James

11th: Nesiah Rivera and Cierra Thompson

BRZ:

9th: Alicia Leger

10th: Sejal Kabre

11th: Christina Valera

AERO:

9th: Julian Shively

10th: Maggie Maloney

11th: Octa Thaib