SESSION A – Chemistry classroom

8:05– 8:20 – Sahil V
“The Efficiency of Ferromagnetic Nanoparticles and Chlorella Algae in the Remediation of Oil Spills”

8:20– 8:35 – Vanessa L
“Colloidal Silver versus Penicillin against Staphylococcus epidermidis”

8:40– 8:55 - Patrick M
“Comparing Lower Columbia Water Temperatures with Chinook Transit Time Between Dams”

9:00– 9:15 – Ajay K
“From Waste to Electricity and Hydrogen Gas: A Novel Power Management Device for Microbial Fuel Cell-Microbial Electrolysis Cell Coupled Systems”

9:20-9:35 – Carl F
“The Effects of Titanium Dioxide Nanoparticles on the Heterocyst Production of Anabaena in Media With and Without Nitrates”

10:00- 10:15 - Natalie V
“A Study of Phenolic Composition in Spent Coffee Grounds and Extraction of its Antioxidant Phenolic Compounds”

10:20- 10:35 - Isabella W
“Testing For Cocaine Residue On U.S. Bills”

10:35– 10:50 – Tracy G
“Purification of PhaR Protein and Characterization of its Emulsification, Combustion-Supporting, and Anti-Bacterial Properties”

10:55- 11:10 – Jennifer L
“The Effects of Casein, Whey, and Milk Protein Constituents on Normal Human Dermal Fibroblast Cells”

11:10– 11:25 – Emily K
“The Effect of Meditation Music on Human Focus”

11:30-11:45 - Holly L
“The Association Between Congenital Cardiac Lesions and Von Willebrand Disease Associated Platelet Dysfunction”
11:50–12:05 - Martin T  
“The Effect of the Emerging Contaminant Ibuprofen on Triops”

1:15–1:30 - Carolyn R and Catherine L  
“Ultimate Tensile Strength and Twisting Response in Chicken and Duck Knee Joints: A Comparison”

1:30-1:45 - Mike S  
“The Effect of Limax maximus mucus on Fibroblast 3T3 Cell Division Speed”

1:50–2:05 - Calvin C and Matthew S  
“The Effect of Magnetic Field Strength on Dugesia tigrina Regeneration”

2:10-2:25 - Cloud N and Marcus Y  
“The Maggot, An Amazing Creature and Its Medical Use”

2:30–2:45 - Sarah K  
“Does Strength of Coffee Affect Levels of Discoloration on Teeth?”

2:45–3:00 – David S  
“Developing a Mobile Application to Predict 10-year Breast Cancer Patient Survival”

SESSION B – Physics classroom

8:05 – 8:20 – Brian E  
“On the Nature of the SX Phe star LW Draconis”

8:20 – 8:35 – Gabe S  
“Analysis of a Venturi Tube for Aerial Dispersal of Agricultural Treatmen”

8:40 – 8:55 - Karina H  
“Ergonomic Spoon Design to Address the Oral Phase of Dysphagia”

9:00 – 9:15 – Sophie C and Yunnie L  

9:20 – 9:35 – Donrong W  
“Oxidation and Biodegradation of Polyethylene Films with Pro-oxidant Additives”

9:40 – 9:55 - Sierra W and Hannah P  
“The Effects of Different Photographic Printing Techniques on Saturation, Contrast, Sensitivity to UV Irradiation Time and Detail”
10:55 - 11:10 – Meredith L
“A New Methodology of Laser Reduced Graphene as a Catalyst on the Counter Electrode of Dye Sensitized Solar Cells”

1:15–1:30 - Calvin S and Alex F
“The development and examination of a simulated, electromagnetically powered, ferromagnetic fluid artificial heart pump: Phase 1”

1:35-1:50 – Cullen T and Cyrus J
“The Effect of Heat and UV Radiation on The Rate of Change of Photochromic Compound”

1:50-2:05- Tess O
“The Effects of Aluminum Chloride and Estrogen on Normal Human Dermal Fibroblast Cells”

2:10-2:25- Sarah W and Kate P
“The Effect of Color Temperature on Hydrogen Production in Chlamydomonas reinhardtii”

2:30-2:45- Even L
“Assessing the Variability of the Delta Scuti Radially Pulsating Star V829 Aquila through Fourier Analysis”