



Supplementary Material

Figures, text, and additional materials contained in this document represent supporting material for the Interactive Qualifying

Project & Interactive Science and Social Project:

Building Scientific Literacy Among Thai Youth

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Background on Planning an Event

Knowing how to properly structure our event was key to its success. In order for these principles to be effective during the event, it was important that our team stayed organized, comprehensive, well-versed in these concepts as well as utilized the iterative design process. It was essential that the materials we developed for the students were displayed in an engaging and well-organized way to attract students. Additionally, since we were attempting to attract students to complex scientific concepts, it was ideal that we as educators were well-versed in the concepts and explained the material in a comprehensive and clear manner. Ultimately, in order for us to be prepared to interact with the students, we continuously had our scientific information and logistics reviewed. The many iterations of our promotional material, survey questions and event logistics allowed us to ensure the accuracy and reliability of the information presented and formulated.

Survey Questions

Qualitative Questions

- How did you hear about this event? (if applicable)
- Are you interested in the Faculty of Science?
- Why are you interested/not interested in the Faculty of Science
- What other faculties are you interested in?
- If you utilize social media, which platform do you use the most?
- How often do you spend time on social media daily?
- Do you follow any educational accounts? Which ones?
- What type of learner are you? Visual, auditory, read/write, etc.
- What do you think could increase your interest in Science?

Quantitative Questions

Rate 1 (Strongly Disagree) to 10 (Strongly Agree)

- Science Class
 - I find science class interesting
 - o I look forward to my science class
 - Science is difficult to me
 - Practical/lab work in science is interesting
 - I would rather do practical/lab work than attend lectures
- Science Attitude
 - o I would like to study science at university
 - I would like to get a job or career in science
 - I believe science and technology is important for society
 - o I believe science and technology makes our lives easier

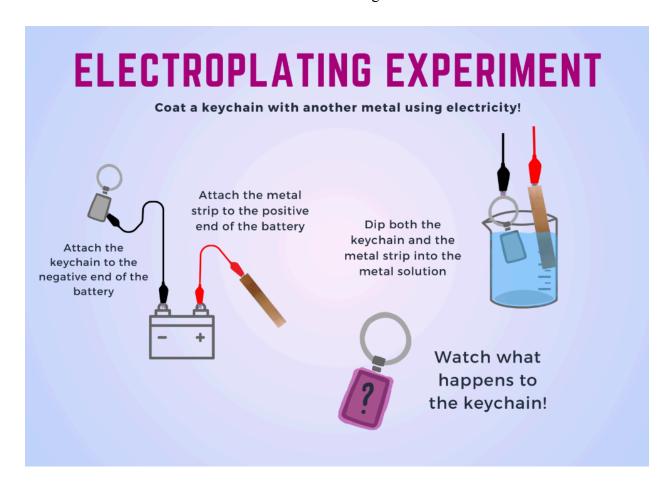
Event Flyer

The following event flyer was posted via Instagram.



Electroplating Lab Manual

Lab manuals were made available in both Thai and English.



Soap Boat Lab Manual



Judging Rubric

Ion Spire: Energizing Ideas Presentation Rubric

	4	3	2	1	
Content	Students demonstrate a comprehensive knowledge of the topic and applies knowledge accurately to the pitch.	Students understand the topic but can't quite accurately apply the knowledge to the pitch.	Students show limited knowledge on the topic or can't accurately apply the knowledge to the pitch.	Students do not display an understanding of the topic and thus can't accurately apply the knowledge to the pitch.	
Clarity	Students have a clear and understandable pitch for their product.	Students have a mostly understandable pitch. A few clarifying questions need to be asked to fully understand.	Students have a somewhat understandable pitch, but many questions needed to be asked to fully understand product.	Students do not have an understandable pitch.	
Presentation	Students present in a professional manner, they are well heard, have eye contact with the audience and have appropriate body language.	Students present in a mostly professional manner, they sometimes are well heard, have eye contact or appropriate body language.	Students present in a somewhat professional manner, they rarely are well heard, have eye contact or appropriate body language.	Students present in a non-professional or unacceptable manner.	
Organization	Students' presentation is very easy to follow and is presented in a creative manner.	Students' presentation is somewhat easy to follow, and presented in a creative matter.	Students' presentation is somewhat hard to follow.	Students' presentation is hard to follow.	

Sample Event Certificate

The following certificate was awarded to students who participated in our event. Students can use this in their university applications.



Event Website

The following screenshot shows our website used for event registration.

