

# ENERGY QUEST WORKSHOP – YEAR 8

MONDAY 20<sup>th</sup> FEBRUARY 2023

The first day back saw many exciting things, the most awesome of which was 60 of our bright-eyed year 8 students participating in the Energy Quest engineering workshop.

Delivered by the fabulous Frankie and her dazzling assistant Mr Harris, the students were introduced to the world of engineering and how they are currently changing the world. The students were then thrown into a rescue scenario whereby they had to charge a phone with their backpack of school goodies, so that they had a GPS signal long enough to be rescued.

An explosion of citrus occurred, where the students had paper clips, copper strips, oranges/lemons and a multi-meter (super cool science tech!). The students made a chemical cell with their goodies and tried to produce the highest voltage possible – with some even wiring several of these batteries to increase the voltage!

Once the “phone” had been charged and help was on the way, the year 8s had another challenge, which was to design and build a filter that could purify the unclean water nearby so they could have clean water to drink and clean a cut.

Both of these challenges were emphasised as having real world implications such as helping to make smaller, more efficient, and high-capacity batteries for powering our world and allowing access to clean drinking water all over the world (with roughly 1 in 10 people worldwide not having easy access to safe water)

It was a fabulous insight for year 8 to have and an amazing workshop facilitated by Energy Quest for SJCS.



