

# OUR nstemic journey

QUALIFYING ROUNDS

practical round -  
build a microscope!

$$E=mc^2$$

us before  
practical  
round!

**Practical round reflection!**  
In the practical round, we were a little surprised at the format as we were mostly not allowed to have 'all hands on deck', instead, each team member had to take turns to build the microscope in 10min intervals. Even though it took a little getting used to, we quickly devised a strategy to optimise our time spent in the Team zone by using the time to plan our presentation.

## Theory Reflection!

For the theory component, we were tasked to complete a quiz in the format of an exam. Each of us took a paper containing questions relating to math and the 3 sciences, and our combined scores was our team score. In general, we did quite well and placed 8th!



# OUR nstenc

## journey

### QUARTER FINALS



us before  
the 1<sup>st</sup>  
challenge!



# 2



# 3



**Task 1 - decoding the genome**  
we were tasked to answer a few questions related to various aspects of science, before finding the keyword from each question which led us to various codons. We had to use this information and go into a giant ball pit with hidden balls that contained the specific codons we were looking for.. although finding the correct ones were hard, we learned a lot from this experience!

**Task 2: building a car**  
In this task, we were required to build a rubber-band powered car — which unfortunately didn't turn out quite as we wanted, as our car "broke down" but it was definitely still an interesting experience to apply the physics of energy transfer to build a car model.

**Task 3: crime scene investigation**  
When we were first faced with this task, we were rather flabbergasted as we had never expected such a niche topic as blood splatter pattern analysis to appear as a challenge! We enjoyed ourselves learning about the analysis through this task, and attempting to create a 3D structure using yarn was interesting too!