

Lab Tots Report Card



Session Venue & Time: Hartsfield JMI - KS2

Lab Tots Term: Spring Term 2019

Instructor: Sophia Mitchell

Session Dates: 15th January 2019

What We Did & What We Learnt:

Creative Construction 2

- We looked at some manmade & natural structures using the shapes discussed in last weeks' session
- We thought about structural requirements for buildings, we started to look at different materials and why you would want to choose different materials for different types of structure and what each structure may have to withstand (e.g. weather)
- We looked at what made a structure stable and we experimented using 'octons' - looking at how we could improve our initial structure
- We tested our designs and constructions to see which one was the strongest under different conditions (could we blow it down!)
- We played a construction game to build the strongest & tallest tower.
 - There were time constraints
 - There were resource constraints (as determined by the roll of dice)
- we analysed our structures and predicted which ones would be the strongest
- we tested our structures to destruction using pendulum wrecking balls!
- We tested our gross motor skills when attempting to knock down our structures using the pendulum.