

# Open Day 2020

**STEM Challenge: Lego Bridge Challenge**

**Term 2 Science and Technology STEM Unit**

**Year 2**



Education



**Melrose Park Public School**

*Learning and Growing together*

# Welcome to Year 2 Open Day

With the COVID situation, this year our Melrose Park Public School Open Day is virtual.

We welcome you into our 2O and 1/2S classrooms to view a showcase of our 'Level 1' STEM (Science, Technology, Engineering and Mathematics) activity.

We were looking forward to completing these tasks with parents, carers and our community, focusing on exploration and collaboration skills - perhaps you can complete some of these tasks at home with your child, and see where the learning takes you?



Education



**Melrose Park Public School**

*Learning and Growing together*



# S1 STEM Challenge: Lego Bridge Building

## Challenge

Can you build a bridge out of Lego to **span** a river?

## Materials

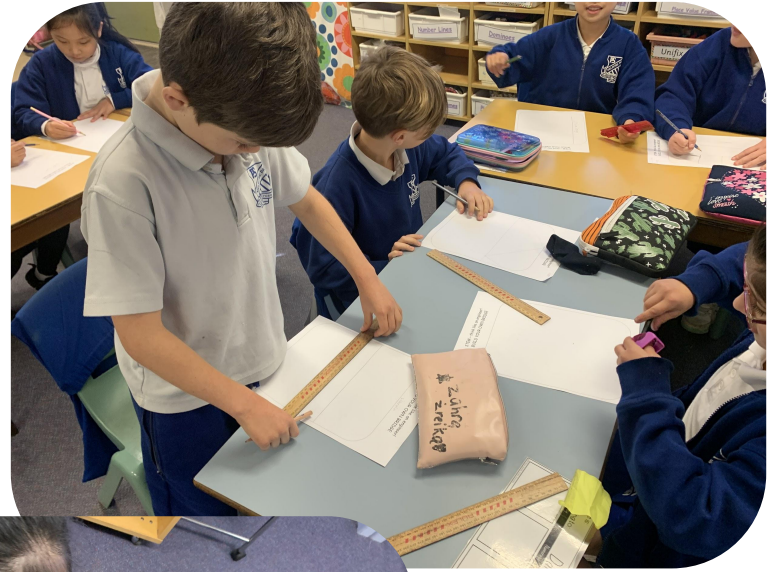
An assortment of Lego bricks, beams and flat plates + a river approximately 20 cms wide.

## Challenge Instructions

- Work with your group to build a bridge out of Lego that can **span** a river that is 20 cms wide.
- How much weight can your bridge hold?
- Can you **reinforce** your Lego structure to make it stronger?



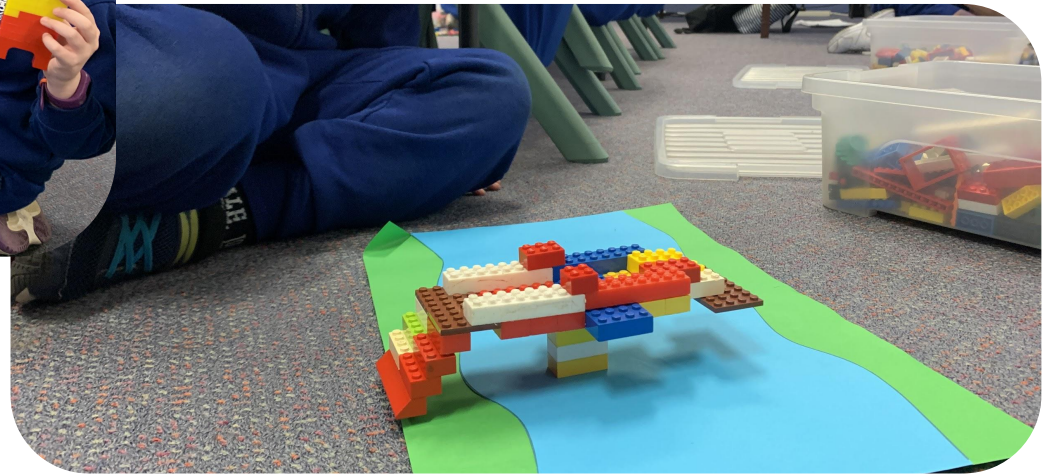
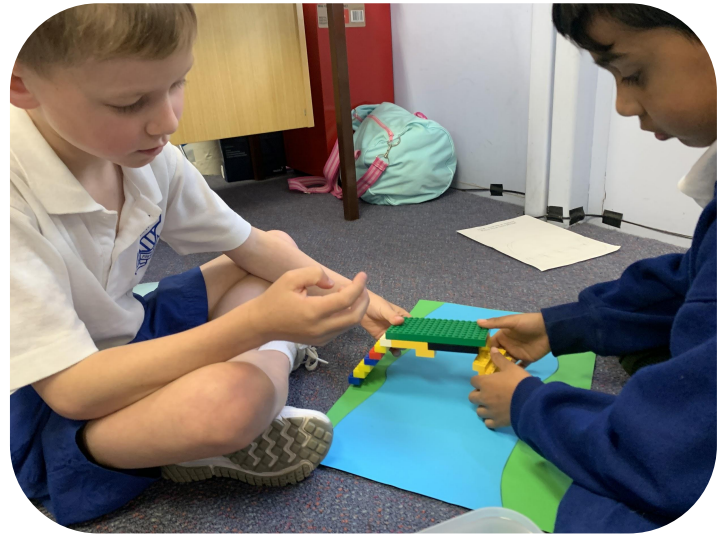
# Planning



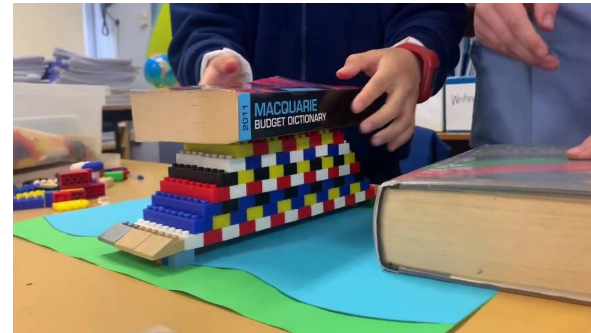
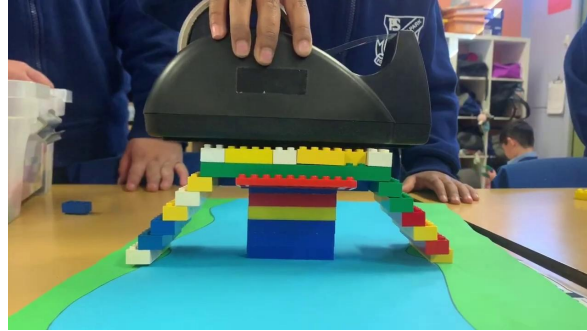
# Building



# Building



# Testing



# Reflection...







# Open Day 2020

**STEM Challenge: Lego Bridge Challenge**

**We hope you enjoyed our hard work!  
Year 2**



Education



**Melrose Park Public School**

*Learning and Growing together*