

Review last weeks lesson

-Sample Questions-

- What are strong shapes?
- What is bracing?
- What is sadwitching a joint?

Building and testing day

- Students will be building any strong structure and putting it up to the test against the box cannon.
- Who's ever structure survives the most pumps will receive a LEGO Minifigure.

**NO WORKSHEET
THIS WEEK**

Using the Box Cannon

-For safety reasons, no student is to touch or play with the cannon. Teacher use only! Make sure they know that it will be an automatic strike 2 if they play with the cannon.

-Make an "X" on the ground, with tape supplied, where the students will be placing their projects.

-Setup the cannon at least 5-6 feet away from the project.

-Make sure students watch from behind the cannon.

Challenge 1 - Individual build or team build

- Engineer a structure at least 10 bricks tall that can withstand 3 pumps of the box cannon.
 - project cannot fall over or break.
 - project can be as wide or deep as they want.

Challenge 2 - Individual or Team Build

- Increase the number of pumps 1 at a time to see whose structure can survive the most amount of pumps.
- Award the strongest structure team/individual with a LEGO Minifigure.