

# DESIGN LIKE AN ARCHITECT

## You are an Architect of the Future! What could the future of housing look like in a changing climate?

Your challenge is to Design and build a shelter that:

- Provides shade to keep people cool
- Stay standing in strong wind
- Be built using a few simple materials

Your design will be tested using:

- A lamp (to simulate the sun)
- A fan (to simulate wind)
- Weights (to simulate the structure holding up under gravity)

Can your structure keep your people safe?

### Step 1: Draw Your Design on the back of this sheet (5 mins)

### Step 2: Build Your Shelter (15 mins)

- Using the limited materials provided fold, cut, stick and shape your shelter to bring your design to life!
- Consider what shapes are strong?
- What are the strengths and weaknesses of different materials?

### Step 3: Test It!

- Place your shelter over the Lego people. Are they shaded from the sun, protected from the wind, and safe in a sturdy structure?

### Reflect on what you have learnt

- What worked well?
- What would you change next time?
- What real-world problems did this help you understand?



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NEWCASTLE

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