



## STEM Clubs Week 2020

### Competition - Design a sustainable city

There are more and more people living in the World and all these people need places to live. See if you can design a city for lots of people to live in but that avoids damaging the planet as much as possible.

Some things to think about in your design:

- **Clean air:** Think about the things that pollute the air. Can you avoid or minimise these and can you do other things to keep the air clean?
- **Clean water:** How are you going to get clean water to your citizens? Where is the water coming from?
- **Sewage:** How are you going to get sewage away from your citizens and what are you going to do with it?
- **Energy:** How are you going to power homes and businesses in your city? Think about whether this uses renewable or non-renewable energy, does it pollute your city etc.
- **Transport:** Remember, transport does not necessarily mean motorised transport! Think about how you will move both people and goods around your city.



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- **Materials:** What materials will you need to build the buildings, bridges, roads etc.?
- **Green spaces and wildlife habitats:** Will you make space for wildlife in your city? Will you have any parks and woodlands? Will you leave any space to grow 'wild'?
- **Waste:** How will you deal with household rubbish?

**Don't forget to give your city a name!**

Submit your entry as written description (max 500 words) and/or a photograph of a model, drawing, sculpture or computer generated model.

Email your entries, including your name and age range (6-11, 11+) to [STEMclubs@stem.org.uk](mailto:STEMclubs@stem.org.uk) by midnight Thursday 25<sup>th</sup> June for a chance to win one of these prizes.



### Terms and Conditions

There will be two winners and two runner up prizes.

By entering I agree for my entry to be shown on STEM Learning's YouTube Channel during STEM Clubs Week 22-26<sup>th</sup> June 2020 should it win or receive a runner up prize.

Entries will be judged in age categories on creativity, ingenuity and the extent to which they address the brief above.

UK entries only.

Winners will be announced on YouTube as part of STEM Clubs Week on Friday 26<sup>th</sup> June and notified by email by Tuesday 30<sup>th</sup> June.

We are unfortunately unable to provide feedback on entries.



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