

KEY STAGE 3

GREEN SKILLS WEEK KEY STAGE 3 COMPETITION

CREATING THE “GREENEST TOWN POSSIBLE”

BACKGROUND

You may have heard that the UK recently hosted a summit called COP26 which is seen as being really important if climate change is to be brought under control.

The COP26 event is a global United Nations summit about climate change and how countries are planning to tackle it.

The world is getting warmer because of fossil fuel emissions caused by humans.

Icecaps are melting and sea levels are rising.

We are seeing more extreme weather events taking place around the world - including heatwaves, floods, and forest fires, these naturally occurring events are being made worse because of the effects of climate change.

The past decade was the warmest on record, and governments around the world agree that urgent action is needed.

People in poorer developing countries tend to pollute less and are not responsible for most of the emissions in the past but they experience some of the worst effects of climate change.

They need money to help reduce their emissions and also to cope with climate change. For example, it could mean more solar panels in countries that depend on energy from coal and flood defence systems.

Environmentalists say big changes to how people live will be needed to hit climate targets, like people driving electric cars, moving away from gas heating, eating less red meat, and not taking as many flights in the future.

We will ALL need to make changes to support this agenda and this could include changing the way we build new towns by utilising more green technology as part of the development process.

YOUR MISSION - THE CHALLENGE EXPLAINED

The Worcestershire LEP and Worcestershire County Council have been awarded some funding from the government to create the "Greenest Town EVER" right here in Worcestershire.

Your teams' mission is to work together to develop a model of the "Greenest Town POSSIBLE".

Your town will be called "EVERGREEN" and can be located anywhere within the county.

You must ensure that as many different types of "Green" technology as possible are used within your model while at the same time making sure ALL of the residents can benefit from living in the town.

Think about where people will live, work, and play at the same time as utilising "Green Technology" to ensure that all the services, products, and essential infrastructure they may need are available to them. We would also like you to explore how job roles may change in the future as the demand for green technology increases.

Please note – This funding offer is purely fictional however one day it may be given to us, so we need to be prepared 😊.

ENTRY CRITERIA

This competition is open to Key Stage 3 pupils (years 7 to 9) who are attending one of our Worcestershire Careers Hub Member schools. Each team should have between 3 and 5 members with each team member taking an active role within the development of your model town. There is NO upper limit on the number of teams registered by each individual school. Submitted entries will be split into one of 2 categories:

- 1) Mainstream Schools - Covering both Mainstream Middle and Secondary Schools**
- 2) SEND Schools - Covering the network of SEND Schools in Worcestershire.**

The same competition model and rules will apply to both categories.

Teams MUST produce a 2D or 3D model which can demonstrate all of the key competition elements. This model must be backed up by written submissions which explain in more detail how you have utilised GREEN TECHNOLOGY to cover the key elements within the model which has been created.

These written submissions will help teams demonstrate the knowledge they have obtained as part of the competition process. Judges will also favour entries which are seen to be innovative in terms of presentation and content.

KEY COMPETITION ELEMENTS TO CONSIDER

As your team builds its model of the "Greenest Town EVER" you will need to ensure that you consider all of the key elements listed below:

Clean Energy / Buildings and Streets / Transport and Transport Systems / Products and Services / Waste / Food Production / Nature / Water / Benefits to residents

We would also like you to undertake some research on what you believe the "Jobs of the future" will be and how they link to Green Technology.

KEY DATES / COMPETITION TIMELINE

- > Schools / Students MUST register their teams for this competition NO LATER than Friday 17th December 2021.
- > Teams MUST Submit their entries via email containing CLEAR images of their 2d / 3d model supported by the written testimonies no later than FRIDAY 18th FEBRUARY 2022.
- > Judges will announce the finalists for each category during National Careers Week – 7th to 11th March 2022
- > Finalists will be then invited to present their “Greenest Town POSSIBLE”, including their 2D / 3D model to our panel of Judges during w/c 21st March 2022.

(Format of presentation may be impacted by any current Covid 19 restrictions which may be in place)
- > Winners for each category will be announced during w/c 4th April 2022

JUDGES – WHO ARE THEY?

Our panel of judges will be made up from representatives from some local employers.

These employers are:

- > **Bosch Thermotechnology**
- > **Faun Zoeller**
- > **Eco 2 Solar**
- > **Zeo - Intelligent Energy**

Each of these organisations utilise / manufacture “Green” technology which is used by households / businesses across the UK.

WINNERS AND PRIZES

There will be one overall winner for each competition category.

Winners will be chosen from the category finalists who have been invited to present to our panel of judges.

Each winning team will be invited to meet the participating employers where they will be given a tour of a workplace and see the green technology being used by the employers in action. Additional prizes TBC.