



STEM from Home Pack 3

Helping the Environment

The third pack in this series focuses on the environment, looking at the key issues facing our planet and ways in which we can help to secure a sustainable future for the next generations. Some of the most significant environmental issues that we face today include pollution, climate change and natural resources running low. We need YOU to help educate the public on the steps they can take to help save the environment, design practical solutions and become experts in your local environments.

This week's activity – Design your own Eco School

Overview

This week's activity is to design your own Eco School. As the experts who (usually) attend school on a regular basis, we want you to help design the eco-friendly (environmentally friendly) schools of the future.

Are there any existing products/facilities that you would include? Will you create technology of your own? You need to think about which designs will be most effective, and offer the biggest benefit to the environment.

You should consider the following factors when designing your school:

- Which energy source will your school use?
- Is your school sustainable (can it rely on itself to function)?
- Which existing or new technologies will you include?
- How will you dispose of used materials and waste?
- Where will you source your supplies and food?
- How will students and teachers help to ensure that the school is sustainable?

You can create your school using any method you wish. This could be a drawing, model, video or PowerPoint. Design the whole school if you can! Including classrooms, sports facilities, canteen and more!



This week's bonus activity – Create your own Environment Magazine

In this project, you'll learn how to use HTML and CSS to create a multi-page magazine website with a two page layout. You'll also revisit HTML and CSS techniques from last week's activities.

Your task is to create a two page magazine that gives the general public tips and advice on how they can help to save the environment. Aim for at least 5 top tips and include images/graphics where possible.

[Access the activity.](#)

What you will need

- A PC/tablet capable of accessing trinket.io.

What you will learn

- How to use basic programming to create a multi-page magazine website
- How to utilise intermediate HTML & CSS skills



This week's active activity – Nature Hunt

This activity involves incorporating a nature hunt into your daily exercise routine, searching for nominated items such as trees and birds as you keep active whilst exploring your local environment.

This activity can be completed in your garden or on a short walk. Look out for each of the items on your hunt, making sure to record the number of each that you spot and the breed/variety if possible!

Remember that you should be accompanied by a parent/ guardian at all times and look both ways when crossing roads. Remember to **adhere to social distancing practices** and **leave the house for exercise only once per day** in line with government recommendations.

Access the [checklist for this activity](#).

Make sure you abide by Government advice at all times when leaving your home as part of your daily exercise.



Ask your parent/Guardian to upload pictures of your STEM creations to [Twitter](#), [LinkedIn](#) or [Facebook](#) using **#STEMfromHome** and **#ExperienceCGI**, remember to tag us!