

STEM from Home Pack 18

Geography!

Geography is the science of the earth's surface, atmosphere and features. This includes countries, oceans, rivers, deserts and mountains.

Through geography, we can learn about different cultures, traditions and languages from around the world. As well as important issues such as pollution, natural disasters, war and conflict and how to protect our planet for future generations.

This week, children will code a virtual guide to their country, take a geography quiz, research famous STEM inventions from around the world and create a poster to educate people on pollution!



This Week's Technical Activity - Guide to my Country!

Introduction

In this activity, you will learn to make your first website by creating a guide about your home country!

[Access this activity.](#)

What you will need

A computer capable of running [Trinket](#).

What you will learn

- How to use an online editor to create a website made up of HTML files and a CSS file
- How to build a HTML website that has headings, paragraph text, lists and images
- How to use CSS code to control the look of your website, including designing a simple menu bar and how to change colours, backgrounds and borders
- How to link pages to each other, and link to other websites
- How to create a table that includes headings and multiple rows.



This Week's Activity – The Big Geography Quiz!

How many European countries can you name? How well do you know the pyramids in Egypt?

Use your travel experience and existing knowledge to test your geography skills!

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



This Week's Bonus Activity - STEM around the world!

Your task is to find at least one STEM invention that was created by each of the following countries:

Sweden	England	Germany	Australia	Canada
China	India	USA	Brazil	South Africa

Can you also answer the following questions?

In which year was it invented?
What is the invention?
What is it used for?
Who invented it?

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



This Week's Research Activity – Pollution Problems!

What is pollution?

Pollution is when gases and chemicals are introduced into the environment in large doses. This can be harmful for humans, plants and animals. Some pollution can be seen, but some are invisible.

Earth has an atmosphere that is made up of many different gases, the amount of gases in the atmosphere is just right to encourage life on earth. Advances in technology, an increase in production levels and increased transportation have all contributed to an imbalance of gases, causing global warming.

Your task is to create a poster to spread awareness of pollution and its negative side effects. Try and include the following:

- What are the main causes of pollution?
- What affect does pollution have on earth?
- How can we help to reduce pollution?

Your poster can be hand drawn or produced digitally using Word, PowerPoint or Raspberry Pi's **Wanted** Activity.



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

For more information or additional support with STEM activities when working remotely, contact enquiry.uk@cgi.com