

# STEM from Home Pack 7

## Communication

**Online communication** through email, messaging and social media has become a key part of our day-to-day lives, allowing us to share pictures, information and news with our friends and family. The ability to communicate online has advanced our lives and made it much easier to stay in touch with people, however, it is important to ensure that we are doing so in a safe and responsible manner.

This week, you will learn how to safely communicate online with Thinkuknow's online safety packs, learn how to understand and write Morse Code and test your communication skills by playing STEM 'Who Am I?'.



### This week's activity - Thinkuknow Online Safety Packs

#### Overview

For this week's online activity, we are delighted to partner with **Thinkuknow**, the education programme that protects children both online and offline.

Thinkuknow have produced a variety of **home activity packs** including topics such as staying safe online, video chatting, advice for young people and the evolution of technology.

The activities are aimed at children age 4-14 and each last around 15 minutes. Parents can share their children's creations on social media using **#OnlineSafetyAtHome**.



## This week's bonus activity - Morse Code

Learn all about the history of Morse Code, how it is used and how to write your own!

### What you will need

A computer capable of accessing the internet and Microsoft Word.

### What you will need

You will learn about the history of Morse Code, its uses and to read and write the code for yourself.

Access the [template for this 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!



## This week's game - STEM 'Who Am I?'

This game teaches children about the world of STEM and all of its job possibilities!

Players have to guess the STEM job role by asking up to 20 questions that can only have yes or no answers!

Effective communication is key in this game to ensure that you can guess the STEM job within the 20 questions.

There are 24 jobs on the board that encompass all of STEM, feel free to add your own!

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



## Bonus Activity

### What you will need

In this activity you will create a web page which can translate normal English text into pirate speak using jQuery and regular expressions. Access this activity.

### What you will need

A computer connected to the internet.

### What you will learn

How to use jQuery to cause live updates on a web page, how to write regular expressions to match patterns and words and how to create a web page to input and output results.

For more information or additional support with STEM activities when working remotely, contact [enquiry.uk@cgi.com](mailto:enquiry.uk@cgi.com)

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Thank you for reading this note. We hope your children enjoy our STEM at Home Programme.