

STEM from Home Pack 11

Travel!

Last chance to win a Marty Robot!

Robotical's competition to win a **Marty Robot** with 25 hours of online activities remains open until Wednesday 10 June. Check out [Robotical's webpage](#) for more information.

Marty is a real robot designed to help teach coding to children, for the price of a smart toy. Marty comes as a kit or pre-built, so you can either choose the fun of building a robot, or to just jump straight-in to playing and coding with your new walking robot companion important scientific words in the Big Science Crossword!



Travel

Travel allows people to see different parts of the world and experience different ways of life and cultures. Most holidays wouldn't be possible without a plane, boat or car! Travel is also important in business, whether this be travelling to meet clients or shipping products across the world, travel helps to keep businesses running!

This week, children will create a 'Guess the Flag' game with Scratch, design the cars of the future and complete a travel Word Search!



This week's Technical Activity - Guess the Flag!

Introduction

In this project, you will create a flag quiz to test yourself and your friends. In the quiz, six flags and the name of a country are displayed, you have to click on the correct flag to match the country.

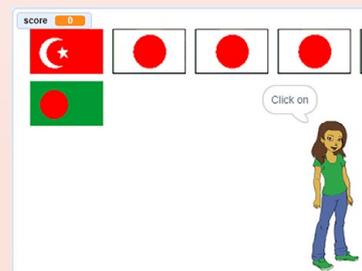
[Access this activity](#) .

What you will need

A computer capable of running Scratch 3 either [online](#) or [offline](#).

What you will learn

In this activity, you will learn how to broadcast a message and have other sprites respond and how to select random items from a list.



THIS WEEK'S PRACTICAL ACTIVITY – DESIGN THE CARS OF THE FUTURE!

Cars have developed significantly over the past 100 years, becoming more reliable, safer and more environmentally friendly. Many say that hybrid and electric cars are the future, with petrol and diesel vehicles being much worse for the environment. The question is, what do you want out of the cars of the future?

Your task is to design your own car of the future! This can be a drawing, model or presentation.



Consider the following factors in your design:

- How will your vehicle be powered? By petrol? By electricity? By solar?
- What will your car be made out of?
- Will your car require a driver?
- Will your car travel on the road or in the air?
- What cool gadgets will your car have?
- How will your car look different to the cars of today?

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 BONUS ACTIVITY - TRAVEL WORD SEARCH

Can you find all of the travel related words in the travel Word Search?

There are 20 words to find, how quickly can you spot them all?

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

D	L	S	R	B	Y	R	E	R	I	A	C	H	Q	J	X	M	P	G	Q
R	A	B	K	O	Z	B	L	G	N	U	O	I	C	K	J	N	V	Y	B
U	N	W	E	M	O	M	V	Q	I	P	S	H	U	A	E	S	J	A	P
F	D	S	T	L	A	P	R	E	Q	A	K	Z	K	V	M	P	C	L	H
X	Z	Q	K	Y	X	F	S	K	G	H	P	N	U	B	J	O	U	S	L
U	F	Y	N	L	R	N	R	I	H	E	L	B	F	K	B	I	L	O	I
T	M	A	M	T	N	T	M	B	J	T	A	O	B	O	U	M	T	E	A
I	T	D	E	N	R	X	N	O	A	F	T	R	U	T	S	X	U	R	F
S	L	I	G	E	S	Y	G	U	H	T	J	D	H	L	H	I	R	J	I
Z	B	L	B	N	Q	A	A	P	O	D	I	E	C	Y	I	X	E	O	T
W	A	O	E	I	S	Q	C	E	R	C	Y	R	M	O	N	R	D	D	R
T	R	H	K	T	R	G	Y	L	P	T	O	F	D	Z	E	G	O	W	O
L	K	F	R	N	D	B	C	Z	I	E	Y	J	H	S	W	M	U	P	P
V	O	S	L	O	R	E	V	C	O	K	T	C	A	U	S	H	F	J	R
V	A	B	S	C	D	A	O	A	L	X	N	L	I	H	Y	Q	Z	W	I
T	L	J	S	G	U	V	U	X	H	C	P	D	F	W	E	U	N	C	A
Z	F	B	W	M	A	G	T	O	P	O	D	X	H	A	X	I	E	B	K
U	C	S	H	W	N	O	V	Y	R	T	C	E	D	Z	T	O	W	N	G
R	Z	C	W	A	B	O	Y	E	K	Q	P	V	Z	V	P	H	V	I	E
X	A	V	L	B	W	P	A	S	S	P	O	R	T	C	F	V	D	J	W

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

The materials in the program were made available by the [Raspberry Pi organisation](#). The program uses Scratch 3. Use of the materials in this program is licensed under the Creative Commons Attribution-Share Alike 4.0 International Public License. You should use the materials in compliance with the License. A copy of the License is available [here](#). The materials in the package are shared with you on an "as is" basis, without warranties or conditions of any kind, either express or implied. CGI accepts no responsibility nor liability for damages, costs or expenses of any kind incurred or resulting from the use of the materials in this program.

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