

STEM from Home Pack 16

Animal Kingdom!

Did you know that there are about 8.7 million species of animals on earth, with 6.5 million on land and 2.2 million in the oceans. Many animals live in the wild, some in zoos and wildlife sanctuaries and some in our homes as pets. There are more than 30,000 endangered animal species on earth in 2020, it is everyone's responsibility to help reduce this number and make a change!

This week, children will code a parrot game with Scratch, undertake our endangered animal research project and design a digital magazine to give their top pet tips!

This Week's Technical Activity - Flappy Parrot!

Introduction

In this activity, children will create a game in which you have to guide a parrot past scrolling pipes to score points.

[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, children will learn how to create sprites using vector mode, how to use sounds, how to detect collisions and how to control a sprite using the keyboard.



This Week's Activity – Endangered Animals Research Project!

What is an endangered animal?

If an animal is endangered this means that it is very likely to become extinct (no longer exist) in the near future.

With more than 30,000 endangered animal species, now more than ever it is important to educate ourselves and help where we can!

Our endangered animals research project looks at which animals are in danger of becoming extinct, how animals become endangered and what we can do to help.

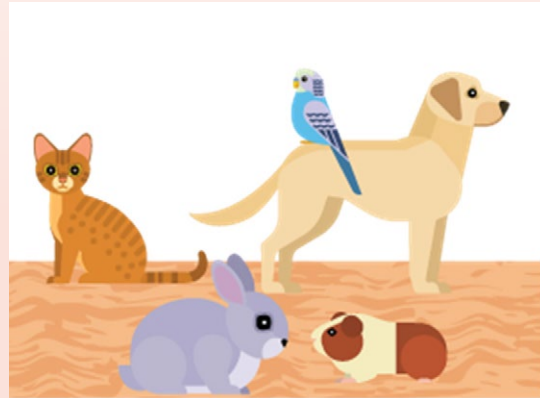
Access the [template for this activity](#).



This Week's Bonus Activity - Top Pet Tips!

Your task is to create a digital magazine to give people your top tips on looking after their pets. Using Raspberry Pi's [Magazine](#) activity, pick your preferred pet and advise people on some of the following topics:

- Diet
- Exercise
- Health
- Routine
- Training
- Toys and Play



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