

### Where and when:

**Date:** Thursday, 26 January 2023

**Time:** 11:00

**Duration:** 30 minutes

**Location:** [bbc.co.uk/livelessons](https://bbc.co.uk/livelessons)

*This programme is available to view from home or school, and no sign-up is required.*



*Simply visit the website on the day and follow the instructions on the page to watch.*

#### Curriculum links:

KS2 Science / Science Second Level / Science & Technology Progression Step 2 / KS2 The World Around Us.

- Construct and interpret a variety of food chains and webs - explore relationships between animals and plants in a habitat.
- Identify producers, predators and prey.
- Identify how animals and plants are adapted to suit their environment.

### Setup:

This Live Lesson will broadcast live on the CBBC channel and simultaneously on the BBC Teach website at 11:00 on Thursday, 26 January 2023.

We will be running a live commentary page on the BBC Teach website during the broadcast to reflect contributions from children watching from home and school.

### How much space and equipment is needed?

The lesson can be viewed in a classroom or at home with a device (computer, tablet or mobile phone) linked to a reliable broadband connection or watched on a television on the CBBC channel. We will be asking children to get involved in activities throughout the lesson and have provided downloadable activity sheets to help guide them through this.

You may wish to hand these out in advance, along with stationery such as pens and pencils. Pupils will still be able to follow the activities if they don't have printed activity sheets to hand.

## **Lesson content:**

This programme is designed to engage primary learners from ages 7 to 11.

### **Section 1 - Introduction:**

Newsround's Shenequa Paris and bird expert Rory Crawford introduce the lesson from a primary school in Hull that is taking part in the RSPB's Big Schools' Birdwatch. They reveal the lesson's main objectives - to learn about bird beak adaptations, food chains and food webs, as well as finding out more about The Big Schools' Birdwatch and how it helps bird experts to monitor UK bird populations.

### **Section 2 - Bird beak adaptations:**

In this section we head to Wild Ken Hill, the home of Winterwatch 2023, with CBBC's Naomi Wilkinson and Winterwatch presenter Chris Packham. We get an exclusive look behind the scenes at Winterwatch, before diving into the BBC archive to bring you a special video all about starlings and how they are adapted to their environment.

Back in Hull, Rory and Shenequa challenge our school children with a hands-on demonstration to show how bird beaks are adapted to the food that they eat. Our first activity sheet follows on from this, challenging pupils to match up bird beak adaptations to the foods that they eat.

Download activity sheet 1 [here](#).

### **Section 3 - Food chains and food webs:**

Section 3 looks at food chains and food webs. Naomi and Chris introduce predators by discussing the barn owls that Chris has observed preying on starlings at Wild Ken Hill. We then see an animation on food chains, including definitions of the terms: producers, consumers and predators.

In Hull, Rory, Shenequa and the children explain what a food web is and create an example featuring birds including the starling, the barn owl and the sparrowhawk.

Using activity sheet 2, pupils are then challenged to complete a partially finished food web.

Download activity sheet 2 [here](#).

### **Section 4 - Bird feeders and interpreting data:**

Rory and a group of school children visit Saltholme Nature Reserve. Here they learn how to help birds in the winter months by making bird feeders. Rory then explains how we can take part in The Big Schools' Birdwatch, and how the data collected can help bird experts to monitor different bird species in the UK.

Activity Sheet 3 features two graphs showing data from The Big Schools' Birdwatch. Children watching are asked to answer a variety of questions using the data provided.

Download activity sheet 3 [here](#).

## **Section 5 - Recap:**

The episode concludes with a question-and-answer session with Chris Packham.

### **Useful links:**

Game - Earth Squad, Go!

<https://www.bbc.co.uk/games/embed/earth-squad-go>

Science KS2 - Food chain challenge: Tundra

<https://www.bbc.co.uk/bitesize/topics/z6wwxnb/articles/zcgbjty>

Science KS2 - Food chain challenge: Savannah

<https://www.bbc.co.uk/bitesize/topics/z6wwxnb/articles/z93vdxs>

Science KS2- Food chain challenge: Woodland

<https://www.bbc.co.uk/bitesize/topics/z6wwxnb/articles/zsphrwx>