Key Stage 2

Science



Study Guide

Everything you need to know about Science at Key Stage 2

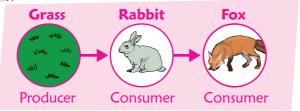
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Food chains

PRODUCERS & CONSUMERS

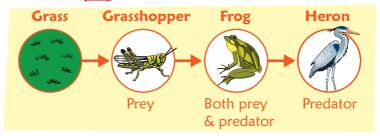
<u>Plants are called producers</u> because they produce (make) their own food. <u>Animals are called consumers</u> because they consume (eat) other plants and animals.



In the food chain above, the grass is a producer because it makes its own food using sunlight, air and water. The <u>rabbit is a consumer</u> because it eats grass. The <u>fox is also a consumer</u> as it eats rabbits.

PREDATORS & PREY

A <u>predator</u> is an animal that <u>eats other animals</u>. The <u>animals</u> the predator eats are called its <u>prey</u>.



Here, the frog is both prey and predator. It's prey because frogs are eaten by herons. It's a predator because frogs eat grasshoppers.

QUICK QUIZ

Look at this food chain.



- 1 Are these producers or consumers? **a** Sparrow **b** Rosebush
- 2 True or false? The ladybird is a predator of the sparrow.
- **3** True or false? The rosebush is the prey of the greenfly.

Light & seeing

SOURCES OF LIGHT

A light source makes its own light. Here are some light sources:











Looking at the Sun can damage your eyes. Don't do it!

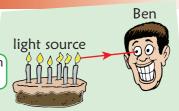
Mirrors, metals and other shiny objects are NOT light sources. They may seem bright, but they are just reflecting light from another source.



HOW YOU SEE THINGS

You see a light source when light from the source goes into your eyes.

> Light travels in a straight line from the candle flame to Ben's eyes.



Ben

You see an object that is not a light source when light bounces off the object and goes into your eyes.

Ben can see the present because it reflects light from the sun into his eyes.

Some objects reflect light better than others. Smooth, shiny objects reflect light better than dull, dark objects.



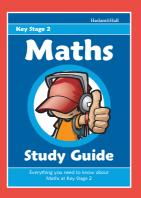
object

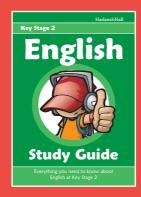
Mirrors are great at reflecting light.

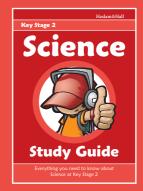
light source

Key Stage 2 Study Guides

These handy guides tell you everything you need to know about Maths, English and Science at Key Stage 2.







- Colourful Pages with loads of fun characters
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- **Tips** give you advice along the way
- Warnings help you avoid common mistakes
- Quick Quizzes check you've understood each topic

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