

# CHAPTER 1: Introducing Energy

## Aim

The aim of this chapter is for the children to learn about the energy that is used in the production of food.

## Overview of Chapter

The lesson explores how food is produced and the role energy plays in food production. The story of chocolate and bread are used as examples.

## Working Scientifically Skills



Through discussing and reflecting on the different scenarios in this chapter, the children will be applying and developing the following working scientifically skills:

- Observing
- Predicting
- Investigating and experimenting
- Measuring
- Recording and communicating

## Lesson 1 – Where does our food come from?

### Lesson link

Before beginning this lesson you might like to revisit:

**Junior and Senior Infants Programme Chapter 1 Lesson 1:**  
**Sources of Energy - Guzzler needs food**

### Resources

Bar of Chocolate, A slice or loaf of bread

**IWB 1 / PowerPoint 1: The Story of Chocolate**

**IWB 2 / PowerPoint 2: The Story of Bread**

**PCM 1: The Story of Chocolate**

**PCM 2: The Story of Bread**

Scissors, Glue sticks

### Activity type: Discussion

Show the class the bar of chocolate and the slice or loaf of bread and discuss with the children where they think these items came from. They should discuss the kinds of energy they think were used in getting the chocolate and the bread to the classroom.

### Questions to promote discussion

- 1 Where did we get the bar of chocolate / bread from?
- 2 Where does a shop get the chocolate / bread from?
- 3 How do you think these items get to the shop?
- 4 How do you think milk gets from a farm to a factory?
- 5 Where did the farmer get the milk?
- 6 What did the cows eat to make the milk?
- 7 What helped the grass to grow?
- 8 Where did the flour come from?
- 9 What helped the wheat to grow?

### Activity type: Discuss and sort

Use the **IWB 1 and 2** activities to help the children discuss the story of chocolate and the story of bread.

If you do not have access to an IWB use **PowerPoints 1 and 2**.

Using **PCMs 1 and 2** the children can cut out the pictures of the 'story of chocolate' and the 'story of bread' and sequence them. They can then discuss the energy that is used at each stage of the process.

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## Extension

## Resources

Activity from the book **Guzzler Investigates Energy: Energy Chains** (pages 7 and 8)

