



EXPLOSIVE FOOD: curriculum links

Ri school shows create excitement and engagement with science, that skilled teachers can exploit for the children's benefit. Show content can be linked to the following curriculum topics in the classroom:

First

Skills and attributes of scientifically literate citizens

- Makes connections between science and their own health and wellbeing

Planet earth

- **Energy sources and sustainability** – knowledge of different energy sources (e.g. food) and their important to everyday life and survival (SCN 1-04a)

Biological systems

- **Body systems and cells** – describes the position and function of major organs (SCN 1-12a); using senses to detect information, reliability and limitations of senses (SCN 1-12b)
- **Inheritance** – knows that genetic information determines characteristics (SCN 1-14a)

Second

Biological systems

- **Body systems and cells** – describe the function of the digestive system (SCN 2-12a); describe how senses work individually or together (SCN 2-12b)
- **Inheritance** – inherited characteristics are carried on genes, describe how every living thing has its own DNA fingerprint (SCN 2-14b)

Materials

- **Properties and uses of substances** – identify signs of chemical reactions (SCN 2-15a)

Third

Biological systems

- **Body systems and cells** – describe the function of the digestive system (SCN 2-12a); describe how senses work individually or together (SCN 2-12b)
- **Inheritance** – inherited characteristics are carried on genes, describe how every living thing has its own DNA fingerprint (SCN 2-14b)

Materials

- **Chemical changes** – identify indicators of chemical reactions; explains how catalysts, including enzymes, can be used to speed up chemical reactions and provide at least two every day examples of reactions involving catalysts (SCN 3-19a)





The Royal Institution
Science Lives Here

ENGLAND

EXPLOSIVE FOOD: key vocabulary

Food

Energy

Taste

Tastebuds

Smell

DNA

Nutrition

Protein

Vitamins

Minerals

Fibre

Digestion

Carbohydrates

Fats

Iron

Calorie

Enzyme

Stomach

Intestine

Rectum

