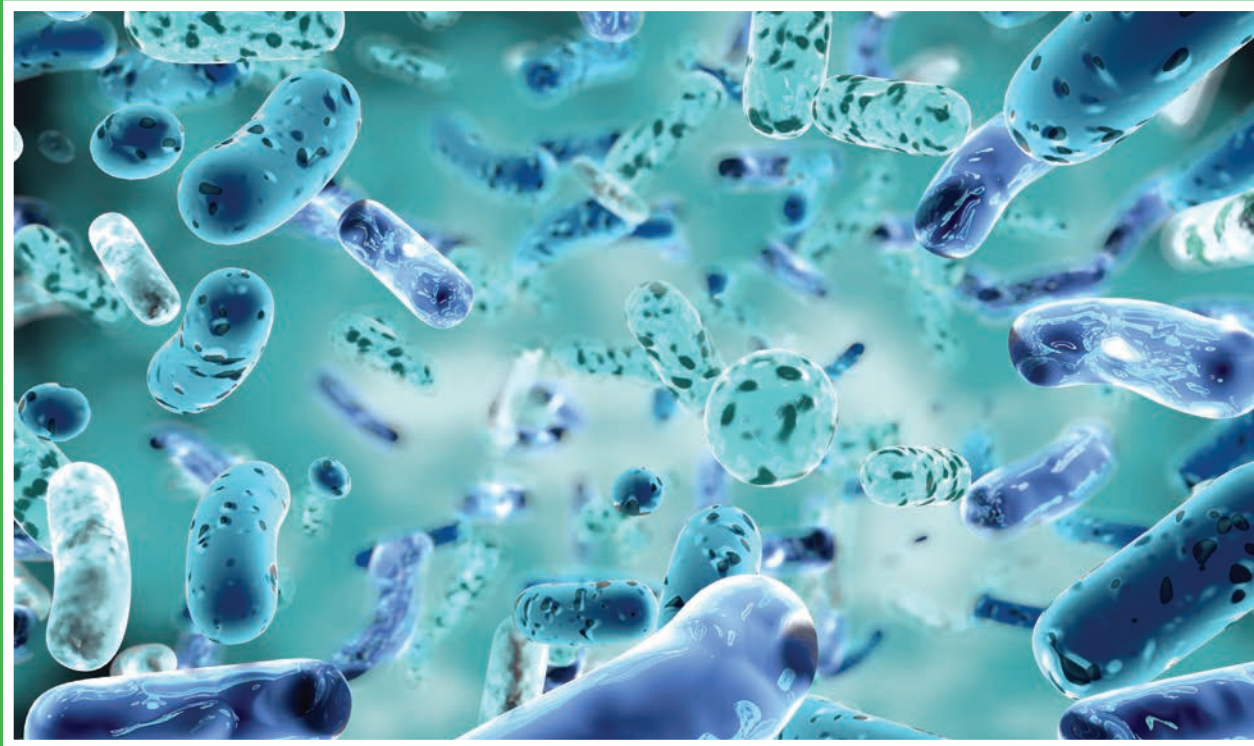


All About Germs

Science KS1



All about germs

Science

Key Stage 1

Learning objectives

- Understand what 'germs' are (that they are not all bad)
- Understand how viruses spread and how we can limit them spreading.
- Understand how medicines (including vaccinations) can protect us from illness.
- Understand how we can help keep bodies and minds healthy.

Curriculum links: Year 2

- Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene.

Links to the 'Working Scientifically' aspects of the Year 1 and 2 science programme of study e.g.

- asking simple questions and recognising that they can be answered in different ways
- performing simple tests.
- using their observations and ideas to suggest answers to questions.

Keywords

Immunity; Sterilise; Vaccine; Diet; Protein; Carbohydrate; Minerals; Vitamins; Experiment

These can also be found at the end of this PDF.

Immunity

Sterilise

Vaccine



PowerPoint presentation

The accompanying PowerPoint presentation has 20 slides with the following learning points:

- Slides 1 and 2 introduce the lesson.
- Slides 3 to 7 explain that germs are invisible; some germs help build immunity; the importance of cleanliness, particularly with babies.
- Slides 8 and 9 talk about the importance of vaccines.
- Slides 10 to 12 talk about staying healthy via diet, exercise and hygiene.
- Slides 13 to 17 explain how to prevent germs spreading. Discuss the pandemic and recall the system and principle of class bubbles, how masks work, and reiterate the importance of washing hands.

Activity:

- Slide 17. Asks children to think about what they touch every day, and to make a list. This can be done verbally or in writing.

Experiment: How a virus might spread.

- Slides 18 - 20

The following page provides detailed instructions on conducting the experiment.



Experiment: **How a virus might spread**



You will need:

Dark paper
White flour

Instructions

Stick dark paper around the frequently-touched places in the classroom.

Ask the children to dip their fingers into the flour, then to touch the dark paper around the classroom. Look at how the fingers leave a trace, they can see that the next person could touch the same place and pick up the flour. At the moment the flour is just on finger tips, so you probably won't catch any germs. But what happens if the children touch their face or mouth?

Does this help us understand some of the ways viruses are spread?

That's why it's so important to wash our hands, especially before we eat or drink, and after we've been to the toilet or come in from outside.



Germs: Keywords

Keywords Flashcards



Germs

Virus

Immunity

Sterilise

Vaccine

Carbohydrate





Protein

Vitamins

Minerals

Hygiene

Experiment



Germ



virus



Immunity



Sterilise



Vaccine



Carbohydrate



Protein



Vitamins



Minerals



Hygiene



Experiment

