

Travelling Germs KS1

| Learning Objectives | National Curriculum Links |
|---|--|
| <ul style="list-style-type: none"> To understand what germs (microbes) are and how they can be spread To understand the importance of good hygiene in keeping healthy To know the 5 steps to clean hands | <p>Science – Sc2</p> <p>1a – the differences between things that are living and things that have never been alive</p> <p>1c – to relate life processes to animals and plants found in the local environment</p> <p>2c – that taking exercise and eating the right types and amounts of food help humans to keep healthy</p> <p>Personal, Social and Health Education</p> <p>3b – to maintain personal hygiene</p> <p>3c – how some diseases spread and can be controlled</p> <p>5a – take and share responsibility</p> |
| Success Criteria | Resources and Equipment |
| <ul style="list-style-type: none"> I can name types of germs (microbes) I know how germs (microbes) can make me unwell I know the 5 steps to use when I clean my hands | <ul style="list-style-type: none"> Travelling Germs IWB Presentation Blocks of sticky labels Travelling Germs quiz The 5 steps to clean hands animation |

Being a Germ-Buster KS1

| Learning Objectives | National Curriculum Links |
|---|--|
| <ul style="list-style-type: none"> To know the 5 steps to clean hands To understand what germs (microbes) are and how they can be spread To understand the importance of good hygiene in keeping healthy | <p>Science – Sc2</p> <p>1a – the differences between things that are living and things that have never been alive</p> <p>1c – to relate life processes to animals and plants found in the local environment</p> <p>2c – that taking exercise and eating the right types and amounts of food help humans to keep healthy</p> <p>Personal, Social and Health Education</p> <p>3b – to maintain personal hygiene</p> <p>3c – how some diseases spread and can be controlled</p> <p>5a – take and share responsibility</p> |
| Success Criteria | Resources and Equipment |
| <ul style="list-style-type: none"> I know the 5 steps to use when I clean my hands I know how germs can spread I can write rules to be more hygienic | <ul style="list-style-type: none"> Being a germ-buster IWB Presentation Pieces of card or paper The 5 steps to clean hands animation |

Marching Microbes KS2

| Learning Objectives | National Curriculum Links |
|---|--|
| <ul style="list-style-type: none"> To understand what microbes are and how infection is spread To understand the importance of good hygiene in keeping healthy To know the 5 steps to clean hands | <p>Science</p> <p>Sc 1</p> <p>2j – use observations, measurements or other data to draw conclusions</p> <p>Sc 2</p> <p>5f – that micro-organisms are living organisms that are often too small to be seen, and that they may be beneficial [for example, in the breakdown of waste, in making bread] or harmful [for example, in causing disease, in causing food to go mouldy].</p> <p>Personal, Social and Health Education</p> <p>3b – that bacteria and viruses can affect health and that following simple, safe routines can reduce their spread</p> <p>5d – make real choices and decisions</p> |
| Success Criteria | Resources and Equipment |
| <ul style="list-style-type: none"> I can name the 5 types of microbes I know the diseases microbes can cause I can explain what is unhygienic behaviour and how infection is spread I know the 5 steps to use when I clean my hands | <ul style="list-style-type: none"> Marching Microbes IWB Presentation Blocks of sticky notes School map on smart notebook Marching Microbes quiz The 5 steps to clean hands animation |

Superbugs KS2

| Learning Objectives | National Curriculum Links |
|--|--|
| <ul style="list-style-type: none"> To understand the features of some microbes To understand the effects of microbes on the body To understand the importance of good hygiene To know the 5 steps to clean hands | <p>Science – Sc 2</p> <p>5f – that micro-organisms are living organisms that are often too small to be seen, and that they may be beneficial [for example, in the breakdown of waste, in making bread] or harmful [for example, in causing disease, in causing food to go mouldy].</p> <p>Personal, Social and Health Education</p> <p>3b – that bacteria and viruses can affect health and that following simple, safe routines can reduce their spread</p> <p>5d – make real choices and decisions</p> |
| Success Criteria | Resources and Equipment |
| <ul style="list-style-type: none"> I can name the 5 types of microbes and some of their features I know some of the diseases microbes can cause I can explain what is unhygienic behaviour I know the 5 steps to use when I clean my hands | <ul style="list-style-type: none"> Superbugs IWB Presentation Superbugs writing frame Strips of coloured paper The 5 steps to clean hands animation |

Albany Healthy Schools Education Programme

Teacher's Guidance and Notes

Introduction

Welcome to the Albany Healthy Schools Education Programme. This programme has been written and developed to help pupils aged 4–11 years begin to understand hygiene and infection control in school and at home.

The programme consists of a range of resources divided into three main areas Early Years, Key Stage One and Key Stage Two. This resource pack includes:

- Differentiated lesson plan suggestions based on the theme of infection control
- Interactive whiteboard compatible presentations to support the KS1 and KS2 lesson plans
- Pupil activity tasks
- Pupil quiz sheets
- An assembly plan intended to provide an introduction to the idea of infection control in your school
- A supporting interactive animation to introduce the pupils to the character of Professor Albie and the 5 steps to clean hands.



All the lessons and activities aim to support children's learning about good hygiene practices and what they can do to make a difference.

This guide has been written to provide an overview of the lesson plans and supporting IWB presentations that make up the Albany Healthy Schools Programme curriculum support materials. The following pages detail for each of the lesson plans the:

- Learning objectives
- Success criteria
- Curriculum links
- Equipment/Resources required



Using the Resources

Assembly/Launch Activity

We have prepared an assembly plan to help launch the Albany Healthy Schools Education Programme in your school and introduce the topic of infection control to pupils.

Animation

An exclusive animation about the 5 steps to cleaning your hands has been produced to accompany the Albany Healthy Schools Education Programme. This introduces pupils to the character of Professor Albie and his Special Agents who travel around the globe seeking out germs and helping children learn how to destroy them and protect themselves. The animation is a great way of introducing the topic of hygiene and infection control to your pupils and a supporting introduction is included here to accompany showing the animation.



Albie needs some new Agents to help him track down and eliminate all the nasty bugs and germs. He is travelling to lots of different schools to find children who can become Special Agents.

So let's take a look at Professor Albie finding some new Special Agents to help him in his fight against germs and see if you can learn some of the skills and become Special Agents too! Over to you Professor.

Show hand cleaning animation with songs that teach children

how to wash and dry their hands correctly.

So as you can see from Professor Albie's film there are 5 very important steps to washing and drying your hands correctly.

- Who can remember the 5 steps? (Ask children to explain the steps and show film again as a final reminder).

Professor Albie and The Special Agents

Animation introduction to be read to the pupils before viewing the 5 steps to clean hands animation.

Professor Albert Mineshine or Albie as he is known to his friends, is a scientific hygiene expert on a mission. Ever since he was a little boy Albie has been on a crusade to rid the world of harmful germs that can cause sickness and illness to millions of people all over the world.

Albie works in the Albany travelling laboratory constantly looking for new ways to rid the world of harmful bugs and bacteria. But Albie has a problem, all of these germs are invisible. Nobody can see them, let alone capture them.

So Albie has created a special state-of-the-art germ seeking device called a 'Magnitron' to help him find germs wherever they are hiding. With the help of this sophisticated piece of technology and his trusty team of Special Agents, Professor Albie is helping schools become cleaner and healthier, protecting children from harmful diseases, so they can spend more time learning and having fun playing with their friends.

However, the world is a big place and these germs are very clever. They keep changing and hiding in new and more devious places. So Albie needs all the help he can get to track them down.

- Will you be able to help him?
- Are you good at finding things that are hidden?
- Could you help Albie and his team?



Albie
The Hygiene Expert

Supporting Information

The theme of this education resource is infection control and discusses the role of microbes and micro organisms in relation to hygiene. Some brief supporting information on this topic is given below to help the understanding of the class and to provide a recap on the topic for classes who have already covered this area.

- Microbes and micro-organisms are tiny living organisms that are invisible to the naked eye.
- Microbes come in all shapes and sizes but there are 5 main types:
 - Bacteria
 - Viruses
 - Fungi
 - Algae
 - Protozoa
- Microbes can be both helpful and harmful to humans.

Helpful

- Bacteria are used in the yoghurt and cheese making process.
- Yeast is a microbe which respire to give off carbon dioxide. This is used in bread and beer making.
- Bacteria break down our food and dead leaves and plants helping to release nutrients into the soil.

Harmful

- Microbes known as pathogens, the scientific name for a germ, can cause disease and illness.
- The type of disease or illness caused and its severity depends on the microbe.
- Diseases and illnesses caused by microbes include flu, chicken pox, food poisoning, including salmonella, cholera and typhoid.

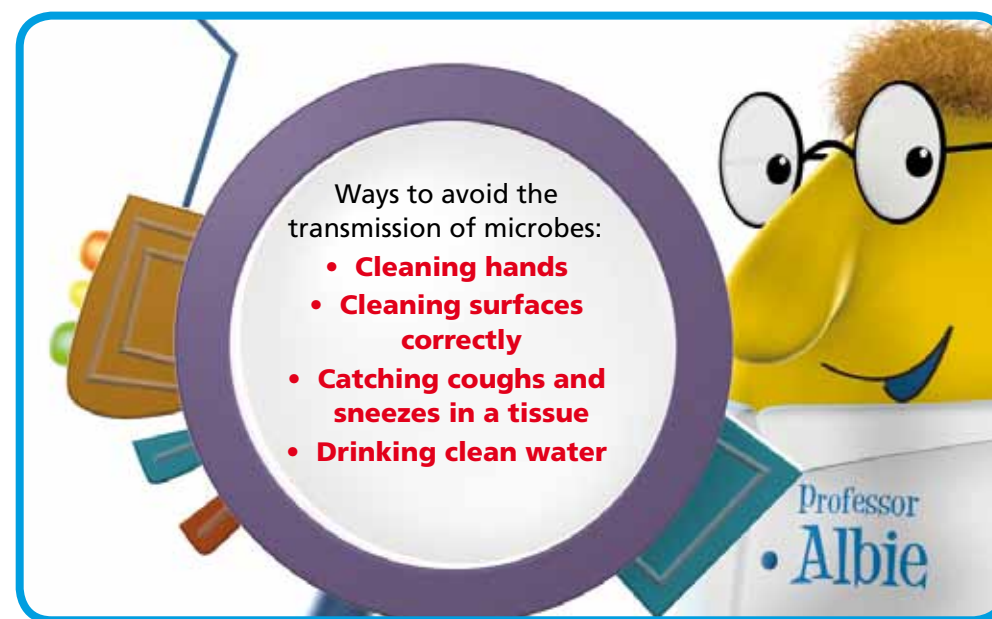
The spreading of microbes and disease is known as transmission. Microbes can be transmitted in a number of ways:

Air – a cough or sneeze can release millions of microbes into the air which can then infect another person

Water – dirty water can transmit a number of diseases such as cholera

Animals – an animal such as a mosquito can carry disease from person to person and from water. Malaria is one such disease which can be passed this way

Contact – many microbes can be passed from person to person through direct or indirect contact. Direct contact by hand or indirect by touching a contaminated area and picking up the microbes.



Albie
The Hygiene Expert

Germ Attack EYFS

| Learning Objectives | EYFS Principles |
|---|---|
| <ul style="list-style-type: none"> • To understand what germs are and how they spread • To understand the importance of good hygiene in keeping healthy • To develop good self care practice | <p>Unique Child 1.3 Keeping Safe</p> <p>Unique Child 1.4 Health and Well-being</p> <p>Enabling Environments 3.2 Supporting Every Child</p> |
| Success Criteria | Resources And Equipment |
| <ul style="list-style-type: none"> • I know what germs are and that they can spread • I know germs can make me and my friends unwell • I know that tissues and paper towels can spread germs, if not disposed of correctly | <ul style="list-style-type: none"> • The 5 steps to clean hands animation • Coloured tabards • Paper and pens for extension activities |

Stopping the Spread EYFS

| Learning Objectives | EYFS Principles |
|---|---|
| <ul style="list-style-type: none"> • To know the 5 steps to clean hands • To understand what germs are and how they spread • To understand the importance of good hygiene in keeping healthy | <p>Unique Child 1.3 Keeping Safe</p> <p>Unique Child 1.4 Health and Well-being</p> <p>Enabling Environments 3.2 Supporting Every Child</p> |
| Success Criteria | Resources And Equipment |
| <ul style="list-style-type: none"> • I know the 5 steps to use when I clean my hands • I know germs can make me and my friends unwell • I know how germs can spread | <ul style="list-style-type: none"> • Scrunched up paper towels, waste paper or beanbags/balls to suit the hand and eye co-ordination of the children playing • Bins or buckets • Small spot stickers • Laminated 5 steps to clean hands poster, cut into pieces • The 5 steps to clean hands animation |

