



**e-Bug**

operated by UK Health  
Security Agency

# An international educational resource covering the world of microbes and disease for ages 3-16

e-Bug provides free resources for educators, community leaders, parents and caregivers to educate children and young people.

Covering topics: Microbes, Infection Prevention and Antibiotic Resistance

Lesson plans for Early Years, KS1, KS2, KS3 & KS4

## e-Bug resources contain:

- Interactive classroom activities
- Teacher information
- Learning objectives
- Assessments to consolidate learning
- Teacher training

**KEY STAGE 2 - LESSON 1**

### Micro-organisms: Introduction to Microbes

Students learn about the different types of microbes – bacteria, viruses and fungi. They learn that microbes have different shapes and that they are found everywhere.

**Curriculum Links**

Science  
Working scientifically: Living things and their habitats  
PSHE/RSHE  
Health and prevention  
English  
Reading and comprehension  
Art & Design  
Painting, Recording observations

**Key Words**

Bacteria, Virus, Fungi, Cell, Germ, Microbe, Probiotic, Microscope

**@ Weblink**

[e-bug.eu/eng/KS2/Lesson/Introduction-to-Microbes](http://e-bug.eu/eng/KS2/Lesson/Introduction-to-Microbes)

**Resources Required**

Starter Activity: Magazine Microbes  
Per student

- A selection of magazines/newspapers
- Crafting materials including: Scissors, Glue, Colouring pens
- A3 or large paper to make a collage

Main Activity: Designabug  
Per group

- Copy of SH1
- Copy of SH2
- Copy of SH3
- Copy of SH4
- Copy of SH5
- Colouring pencils
- Stickers for decoration (optional)
- Goggles eyes for decoration (optional)
- Pink sticks/ glue (optional)

Extension Activity: What Microbe am I?  
Per student

- Copy of SW1
- Copy of SW2
- Copy of SW3
- Copy of SW4

**Advance Preparation**

- Prepare a selection of magazines/newspapers and the materials needed for the starter activity – Magazine Microbes.
- Download a variety of images of everyday items (e.g. shoes, and food from various locations for student viewing).

**Supporting Materials**

- SH1 Designabug Microbe shapes
- SH2 Designabug Examples
- SH3 What are Microbes?
- SH4 How Big is a Microbe?
- SW1 Designabug
- SW2 What microbe am I?
- SW3 What are Microbes Worksheet



All resources are mapped to the UK National Curriculum & accredited by the ASE!



## Community Resources!

### Antibiotic Guardian Youth Badge

- for After School Clubs, Scouts, Girl Guiding and Youth Clubs

### Beat the Bugs

- a self-care course tailored to young people with learning disabilities and complex needs

All resources available to download FREE at [www.e-bug.eu](http://www.e-bug.eu)

