YOU WILL NEED

- Gene card printable sheets (see below for how many to print)
- Guillotine (or scissors)
- Laminating equipment (optional) or glue
- Velcro (or blue tac)

For one class set (up to 32 students) you will need to print:

- 8 x 'bacterium shapes' page
- 8 x ‘bacterium cell wall’ page
- 11 x ‘how many bacterium?’ page
- 11 x ‘flagella location’ page
- 13 x ‘special features’ page

HOW TO ASSEMBLE

- Using a guillotine, cut along the cut lines
- Fold each gene card in half, with the instruction and illustration on one side, and the title and velcro mark on the other
- Laminate each card and cut out (if not laminating, stick the two sides together)
- Add velcro or blue tack to the black box on the title side of the card
- If using velcro, add the opposite piece of velcro to laminated worksheets on the black boxes
Build a Bacteria! activity - Bacterium shape gene cards. Print this page x 8 for a class set.

Bacterium shape

- Sphere

- Rod

- Sphere

- Rod

Draw a circle shape for your bacteria

Draw an oval shape for your bacteria
How many bacterium?

- Chain of 2
  - Make two of your bacteria shapes (and any borders)

- Chain of 3
  - Make three of your bacteria shapes (and any borders)

- Chain of 4
  - Make four of your bacteria shapes (and any borders)
Flagella location

- At one end
  Add some pieces of string to one end of your bacteria

- At two ends
  Add some pieces of string to two ends of your bacteria

- All around
  Add some pieces of string all around your bacteria
Build a Bacterial activity - Bacterium special feature gene cards - Print this page x 13 for a class set

- Special Feature: Toxin release
  - Add red to your bacteria

- Special Feature: Immunity evader protein
  - Add purple to your bacteria

- Special Feature: Pili
  - Add blue to your bacteria

- Special Feature: Immune response trigger
  - Add green to your bacteria

- Special Feature: Cell wall support
  - Add yellow to your bacteria