# **SUPERLAB** Science at the heart of healthcare



SUPERLAB is a fun and educational comic for KS2 children about the wonders of biomedical science. This comic can be enjoyed by children alone, in the classroom or with the help of adults.

# Biomedical Superheroes!

We're all biomedical scientists who do medical tests in hospital superlabs I'm BUG RIDER the MICROBIOLOGIST and I grow bacteria in wee and poo.

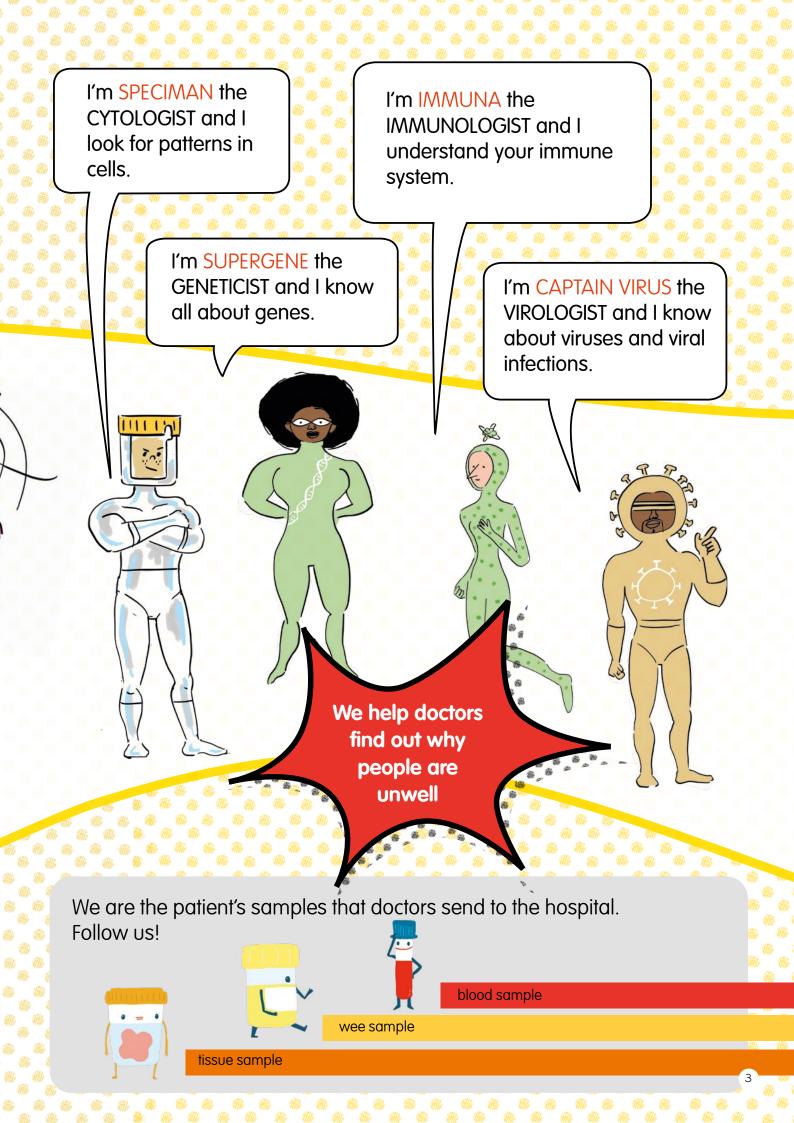
I'm HAEMATOMAN the HAEMATOLOGIST and I analyse blood samples.

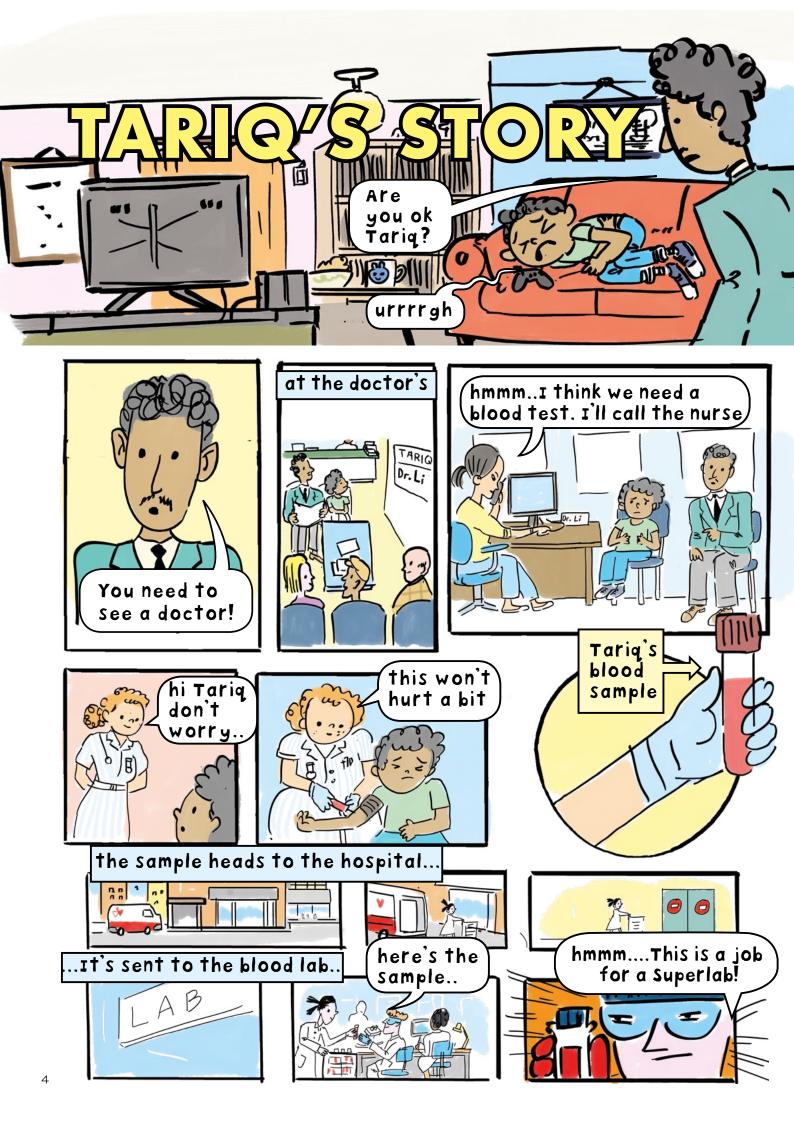
10 M M

I'm CHEMIGIRL the CLINICAL CHEMIST and I understand changes in blood and wee.

I'm BLOOD BOY the TRANSFUSIONIST and I make sure people get the right kind of blood when they need a transfusion.

I'm HISTOQUEEN the HISTOLOGIST and I look at tissue samples under a microscope.

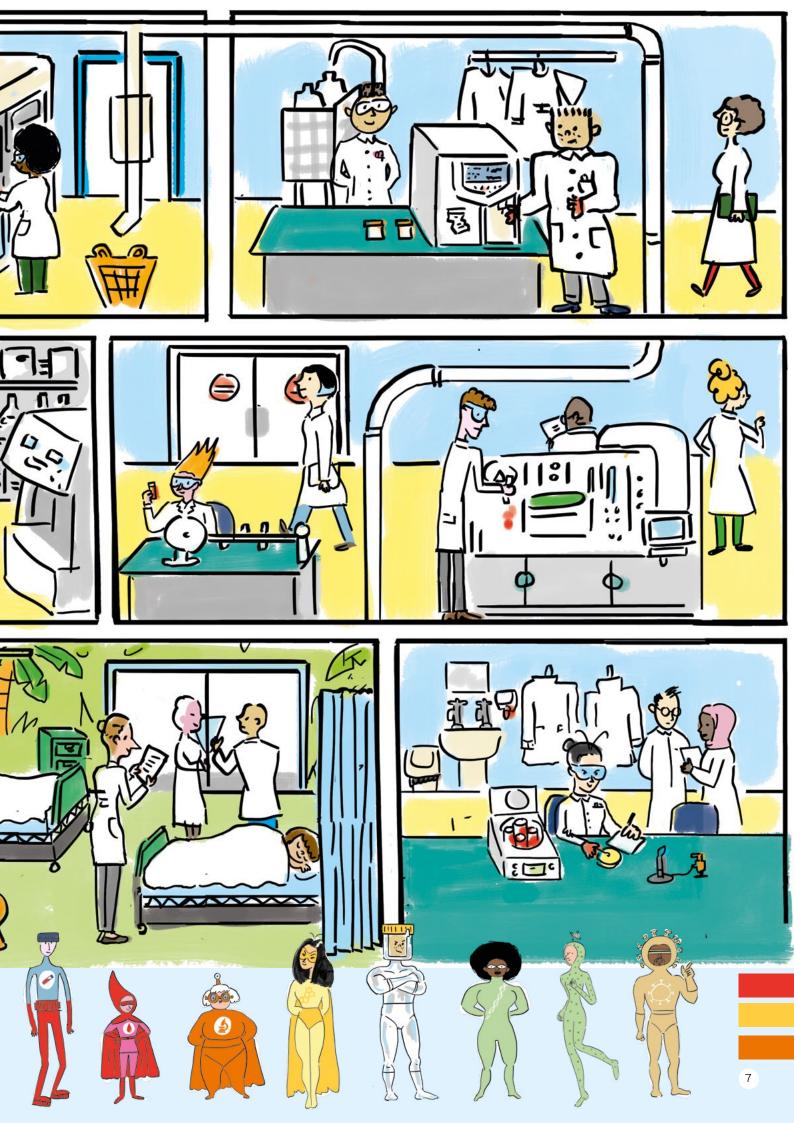


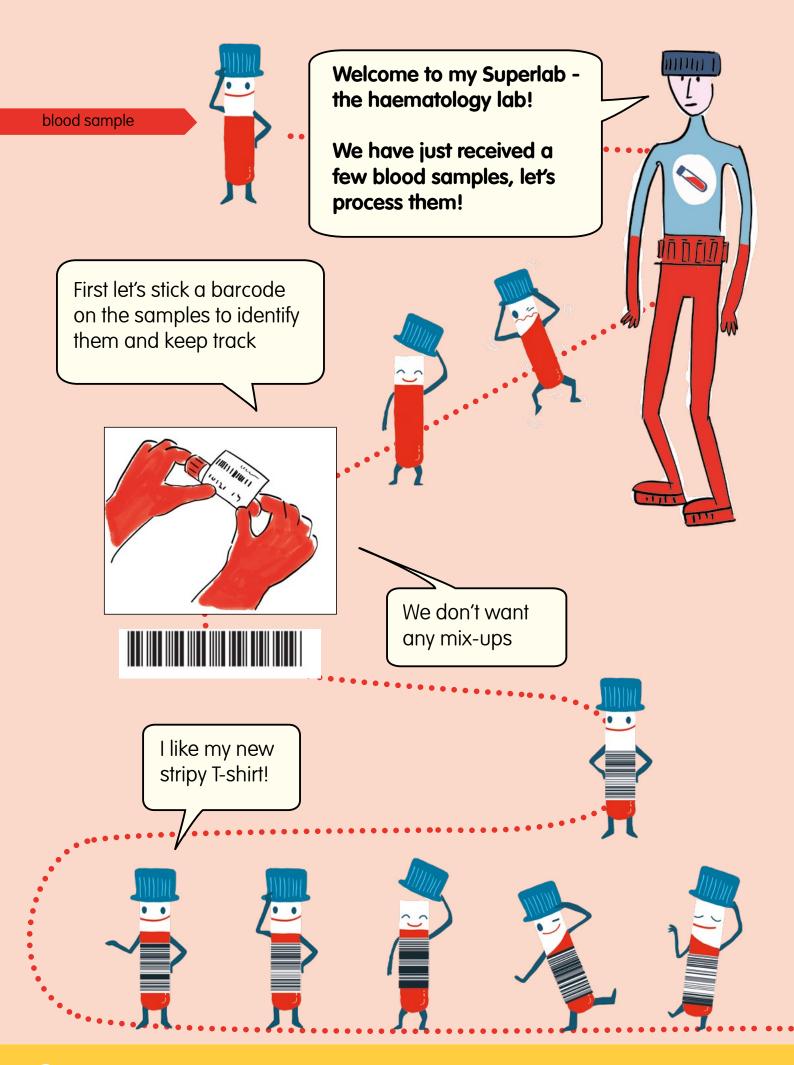


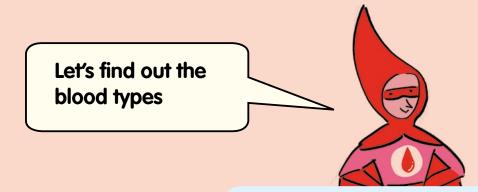




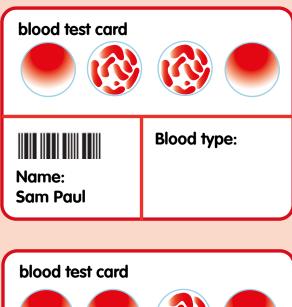
Lots of science is happening in the hospital, can you spot our superheroes as biomedical scientists?

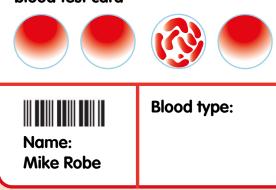


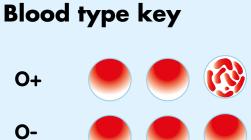


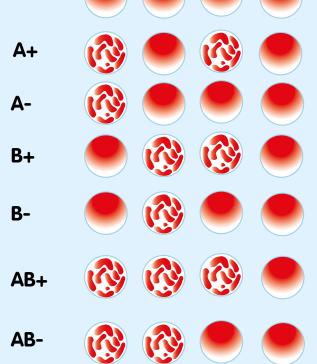


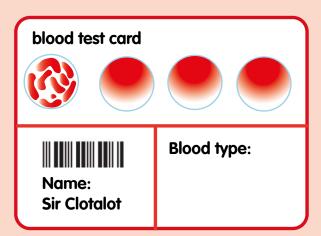
Use the blood type key to complete the blood test cards

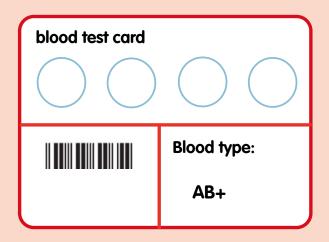




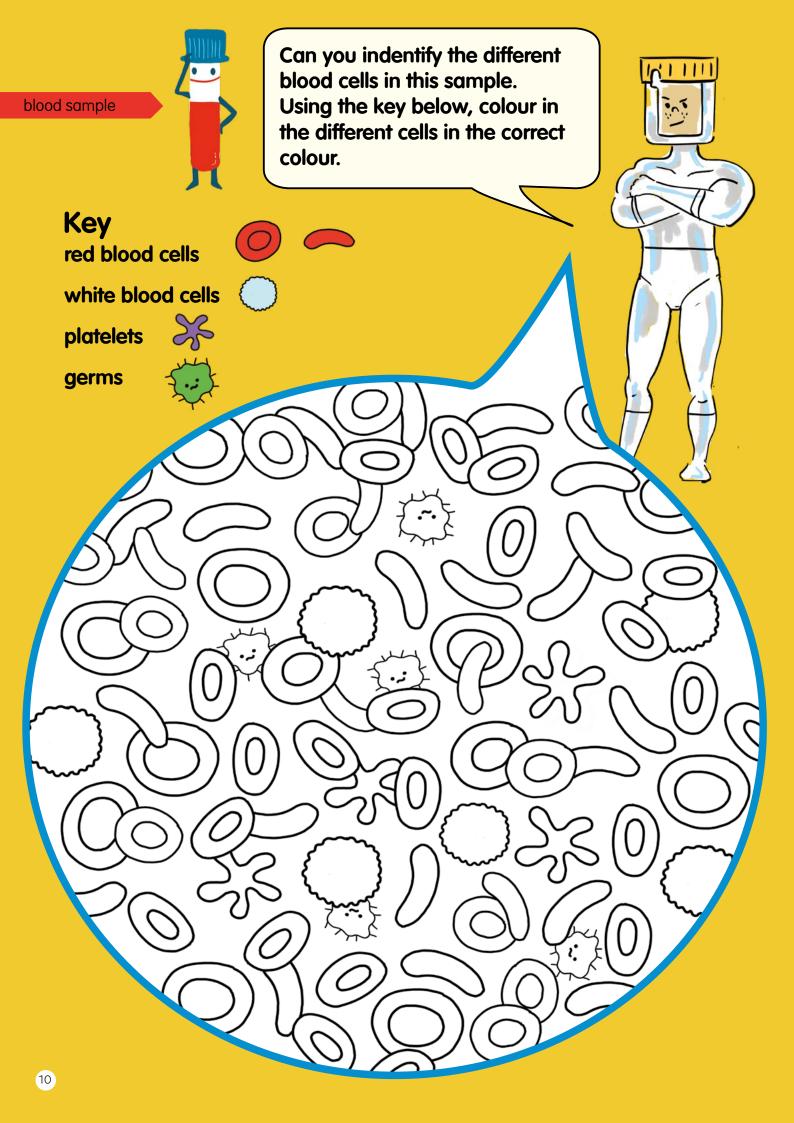




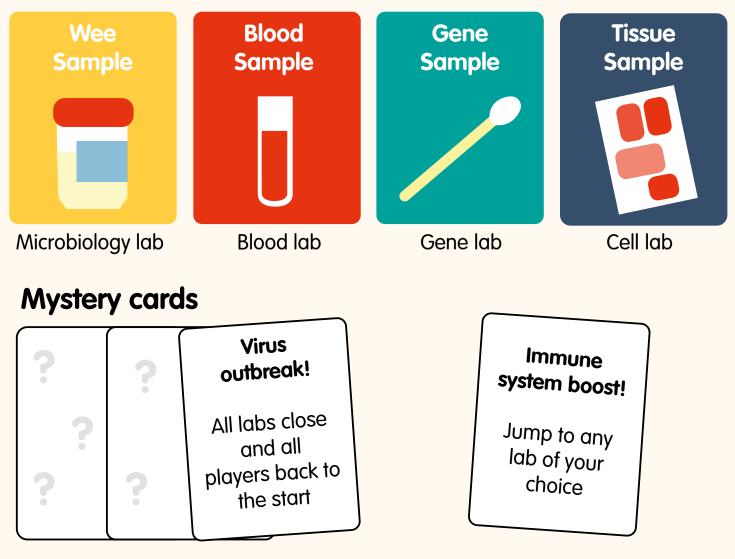




going for more tests



# Make your own '*Test Your Sample*' game Sample cards

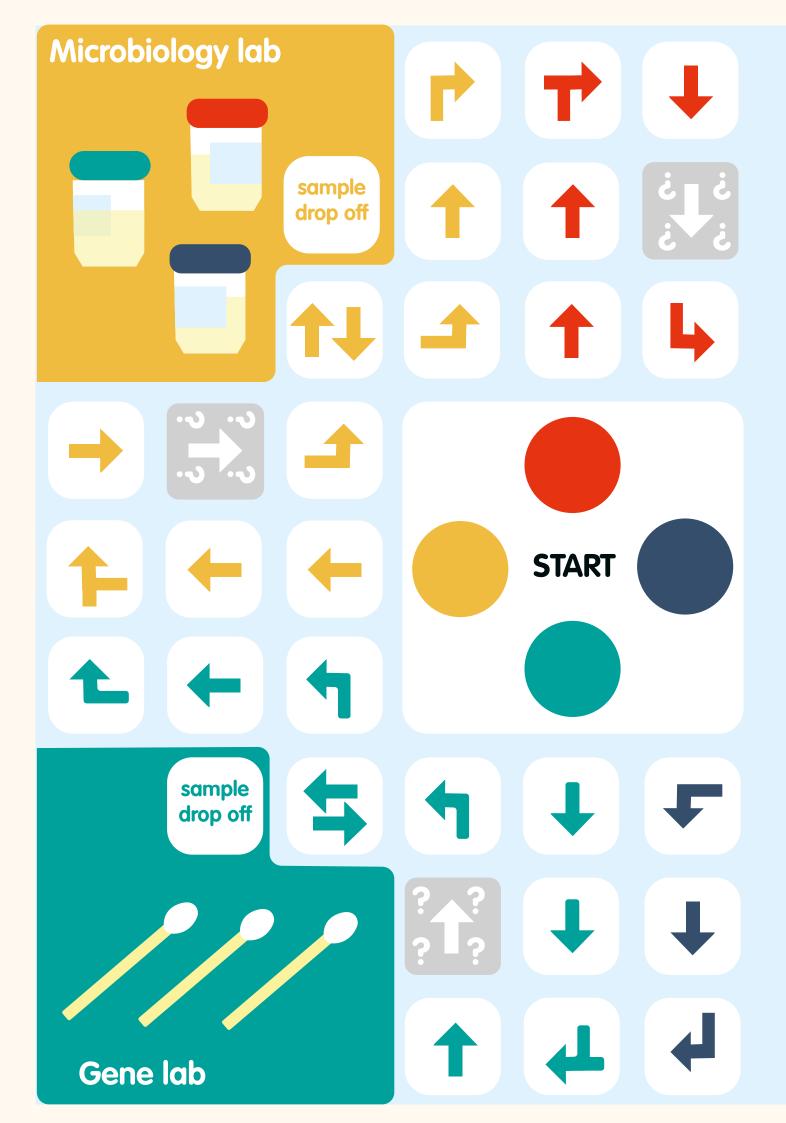


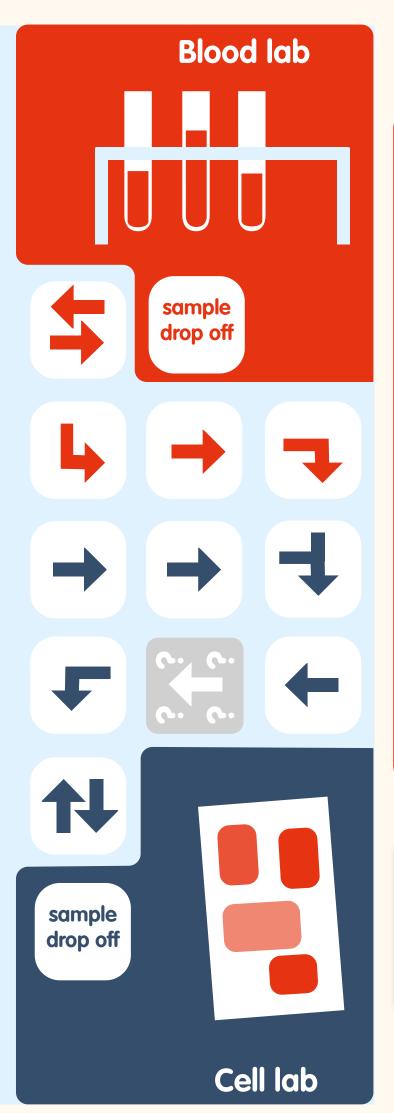
You will need: coloured paper, felt tip pens, scissors.

**Sample cards**: using the examples above as a guide make 3 of each kind so that you end up with 12 cards in total. The colour of the sample needs to match the correct lab.

**Mystery cards:** on white paper draw question marks on one side and write an instruction on the other. This page has some examples of the type of instruction. Make 12 mystery cards and put them face down next to the game.

A full set can be downloaded from: www.superlabscience.com





# 'Test your sample' game

#### 2-4 players

You will need: sample cards and mystery cards, counters and dice

**How to play**: all players choose a colour and place your counters on the start. Deal the sample cards so each player has 3 cards. Take it in turns to roll the dice and move along the board in the direction of the arrows. Your mission is to drop off the samples on the drop off squares in the correct labs. For instance:



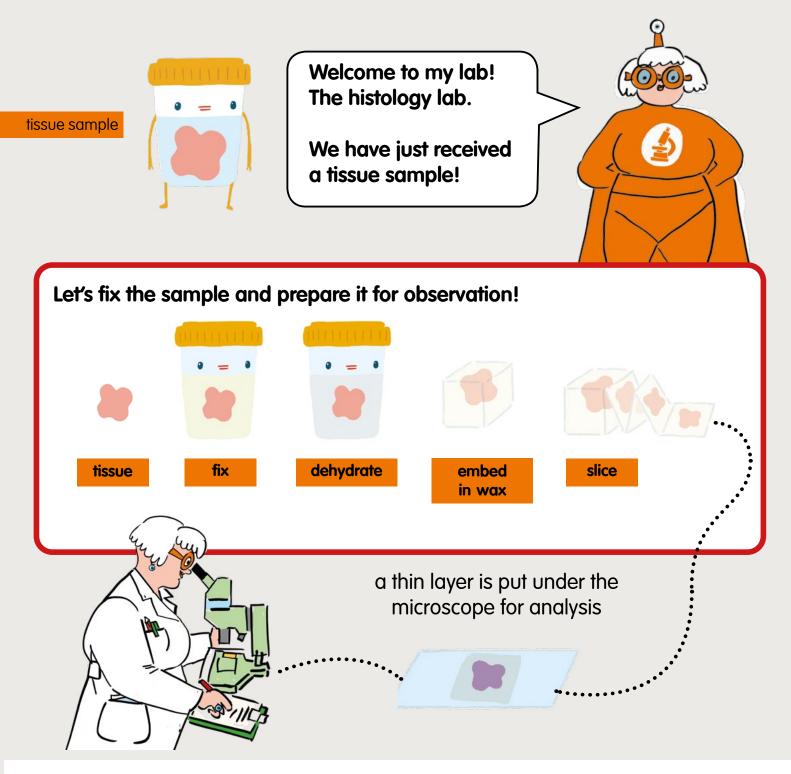
Only one sample can be deposited at a time. You do not need to roll the exact number to land on the drop off squares. If you land on a question mark you must select a mystery card from the pile and follow the instructions. The first person to drop off all their samples at the correct labs, wins!





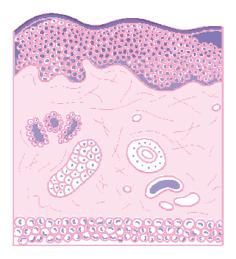
Mystery cards

Sample cards



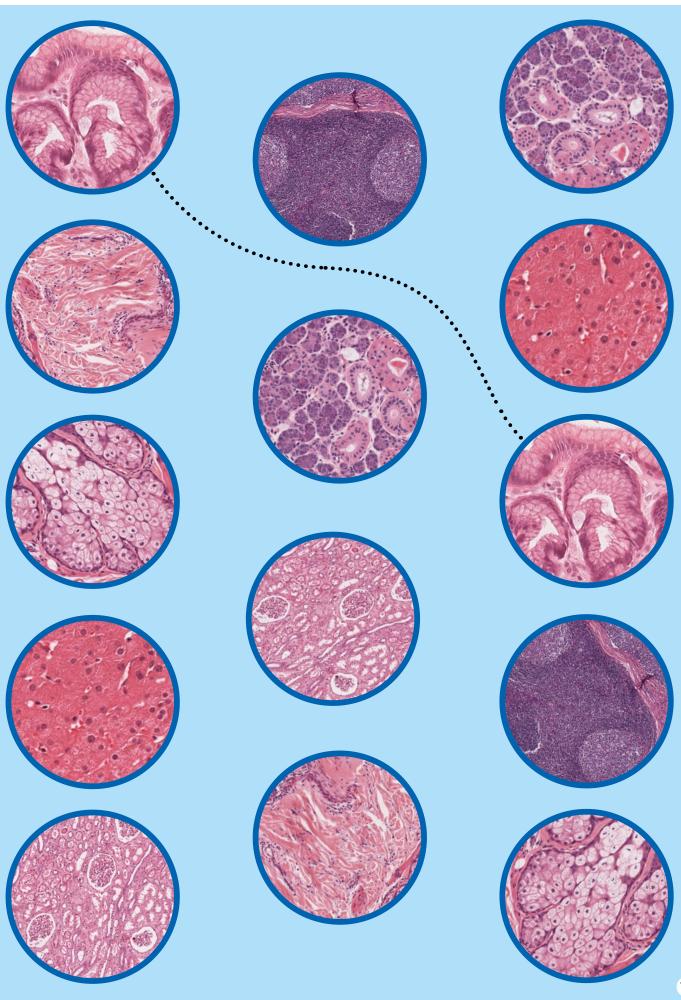
Dyes are used to contrast the structures of the cells so they can be recognised - *colour the slide* 





#### Let's have a closer look

Sort out the slides below into matching pairs

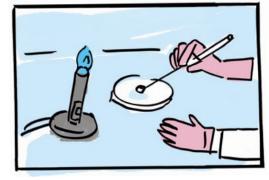


Bug Rider to the rescue! Welcome to the microbiology lab. We have just received a wee sample!

Let's check this wee sample and see if we have any bacteria growing ....



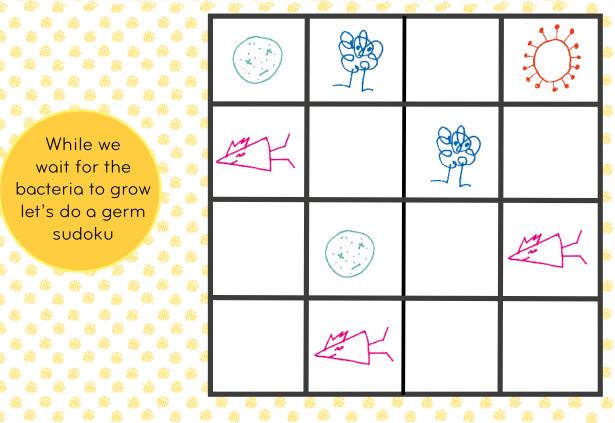
wee sample



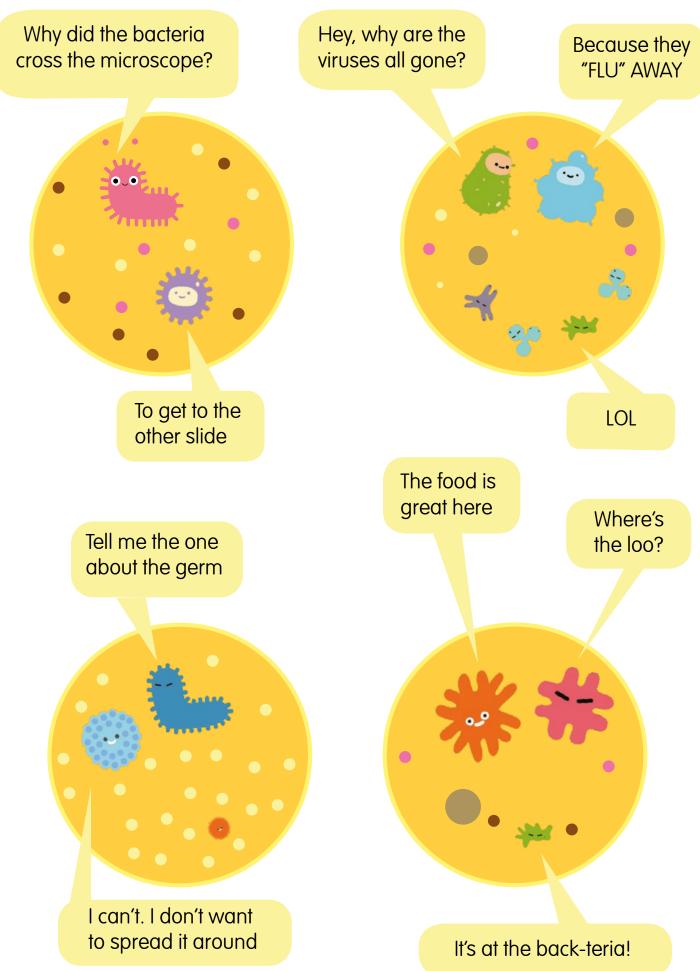
Bug Rider sterilises the metal loop with a Bunsen burner and inoculates the Petri dish with the sample

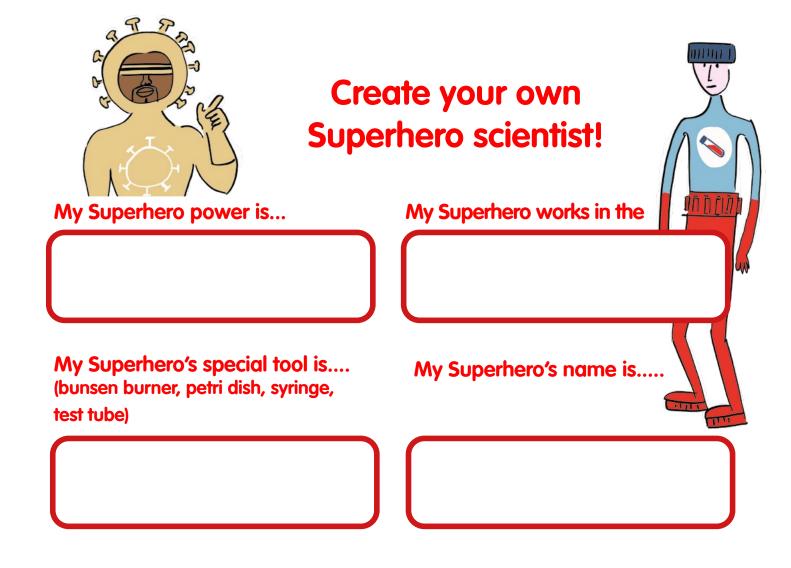
## Germ Sudoku

Complete the grid to have one of each germ in each column or row



# Funny fever!

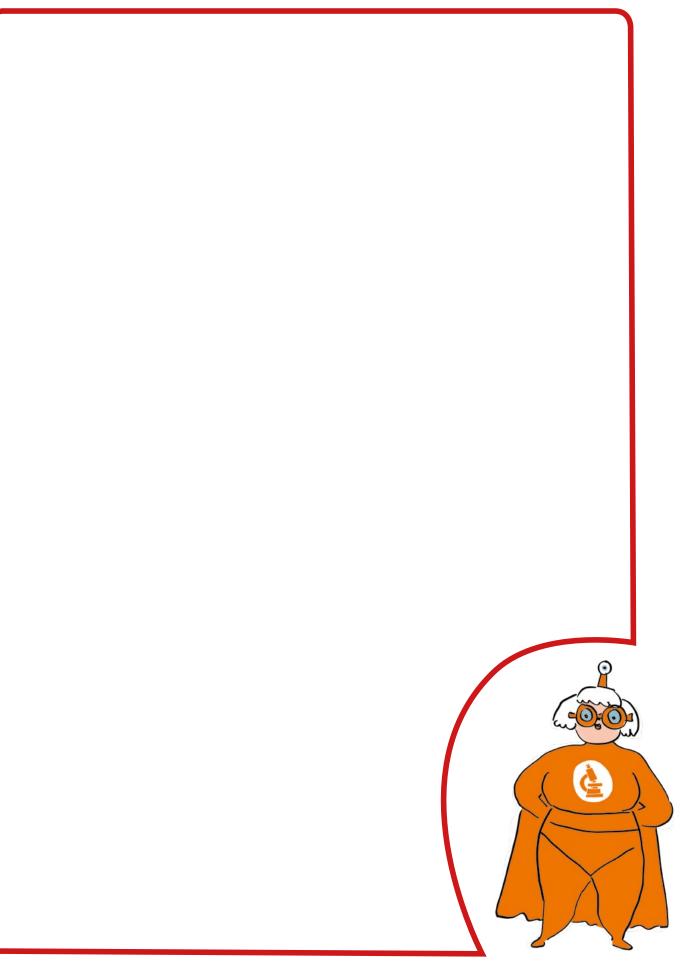




#### My Superhero outfit looks like ....



### Draw your Superhero in their superlab







#### **IBMS proudly supports Harvey's Lab Tours**

Harvey's Lab Tours help young patients and their families feel more at ease by connecting children with the biomedical science staff who process and analyse their samples. These visits help ease fears and build understanding.



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