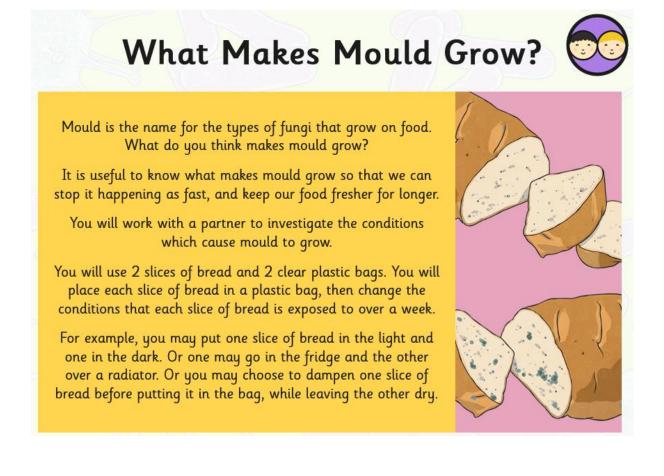
## Steps to Success

Lockdown					
Date					
Subject/s	Science				
Learning Objective	To plan an experiment on microorganisms				

		SA O M					
Success Criteria	I know microorganisms can be helpful or						
✓! 🗐	harmful						
▼ <u>6</u> <u>5</u>	I can explain the definition of virus, fungi and						
	bacteria						
	I can plan an experiment that investigates the						
	growing conditions of microorganisms						
Support	Independent Adult Support ( )	Group V	Vork				
Taught by TS							
Key vocabulary for the lesson:							
Microorganisms r	ricroscopic bacteria virus fungi mou	ld					

Read and watch: <u>https://www.bbc.com/bitesize/articles/zsqtrwx</u>

Have a go at planning and writing your own experiment investigating microorganisms in bread! You could even have a go at home.



Remember to include all of the sections below in your experiment. You can also use the template to help you. Remember to include lots of detail!

- Question. What are you investigating?
- Hypothesis.
  - Prediction and Explanation
- Variables
  - Independent variable (what you are changing)
  - Dependent variable (what you are measuring)
  - Control variable (what you are keeping the same)
- Equipment
- Method and Labelled Diagrams
- Results
- How I know my test was fair.
- Were there any anomalies? Why do you think this was?
- Conclusion

## <u>Template:</u>

You are going to investigate the conditions that cause mould to grow on bread.

Independent variable (the condition you will change for your slices of bread):

What is the question you will investigate?

Dependent variable (the thing that will be affected by the independent variable – this is the thing you will observe or measure about the bread):

Controlled variables (all the other things that you will keep the same for the bread slices and your investigation):

What do you predict will happen? Which slice of bread will grow mould the fastest?

## Complete your results in the table below:

	Description of slice of bread (the conditions it will be under)	Observations of mould growing over time				
		Day 1	Day 2	Day 3	Day 4	Day 5
Slice 1						
Slice 2						