

# 123 GROWING GERMS: BREAD EXPERIMENT

## LEARNING OUTCOME

**Education** – Teach your children about how germs grow and spread. This bread experiment allows your child to see how germs grow bigger and the speed in which they grow and spread. At the end of the experiment, your child will be able to draw what they see.



1

**TEST 5 SLICES OF  
BREAD IN DIFFERENT  
SCENARIOS**

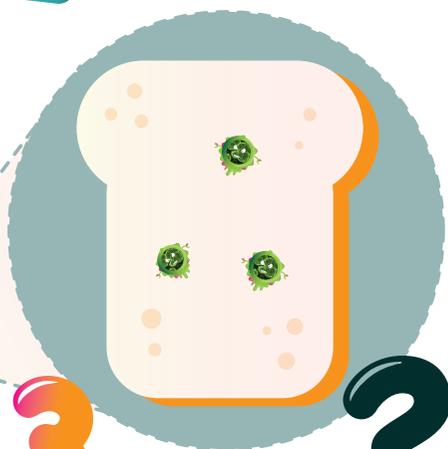
2

**PLACE EACH SLICE IN  
SEPARATE, CLEARLY  
LABELLED BAGS**



3

**WATCH THE  
GERMS GROW!**



## INSTRUCTIONS

**Duration:** 2 weeks

### What you will need:

- 5 slices of bread (from same loaf)
- 5 Ziploc bags
- Tape
- Pen
- Sticky notes
- Coloured crayons

### Method:

1. First, take one slice of bread and leave it untouched – this will be the control slice. Place this into the resealable bag and using a pen and sticky note, label it 'untouched bread' and include the date.
2. Take another slice of bread and this time touch it with your hands, making sure that all of it has been covered. Place this slice into a resealable bag and label it 'touched with dirty hands'
3. This time wash your hands with soap and water, then take another slice of bread and rub your hands all over it. Place this slice of bread into the resealable bag and label it 'soap and water'
4. Next take another slice and rub it onto a device such as a laptop or tablet, then place it into a resealable bag and label it 'wiped on device'
5. Finally, use hand sanitiser to clean your hands and then rub your hands all over the slice of bread. Place this slice into a resealable bag and label it 'hand sanitiser'.
6. Now place all these bags in the same place. They can also be taped to the wall so that your child can see the changes. Leave them there for about 2 weeks and watch the germs start to grow.
7. After 2 weeks, you can ask your child to draw what they see!



**LET'S  
EDUCATE!**