

LESSON 1B: EXPERIMENTS: OBSERVING MOULD GROWTH

T:1 WK:1 SUBJ: NST

GR: 4

LESSON **2** OF **24**

Lesson Objectives:

- Observing, comparing, measuring
- Pupils study bread mould
- Record observations: scientific drawings

Resources:

- Sam's Story
- RES1: Rules for Scientific Drawings and Assessment Rubric
- RES2: Bread mould information: healthline.com
- DWS/WS1: Recording Mould

Equipment:

- Mould samples (4 if possible)
- Magnifying glasses
- Crayons and pencils to colour
- Ruler & black pen to label

LESSON OUTLINE

Question hook: Do you think that it is safe to eat mouldy bread?

1. Read **Week 1: Lesson B of Scientific Sam's Story**.
2. Discuss the question hook. Encourage learners to share their experiences of mould with each other. RES1 can be used by the teacher for further information.
3. Use a magnifying glass to make observations of bread moulds. Teachers can prepare four samples in advance if they want to complete the worksheet in this lesson.
4. WS1: Complete the worksheet by drawing the bread mould every three days in varying stages of decay/mould growth.
5. RES2: Read through the rules for drawing scientific drawings if you are wanting to use the rubric to assess the final picture.
6. The last picture should have simple labels. Discuss "Rules for drawing Scientific Drawings" (TIP: Examples of correctly labelled scientific drawings are available in the "References used" section).

ZED TECH

- Draw on WS1
- Add colour as seen in your observation.
- Follow rules for scientific drawings

TECH LIGHT

- Google 'Science experiments with bread mould' to assist with drawings.
- Draw on WS1
- Add colour as seen in your observation.
- Follow rules for scientific drawings

TECH LOADED

- Use a device to photograph mould growth.
- Copy and paste pictures of stages of growth into 3 frames.
- Add dates/days to inform speed of growth.
- Draw and label the 4th pic.

Assessment opportunities: Mould drawings: Rubric included. (10 marks)

REFERENCES UTILISED

- Is it safe to eat moldy bread? Healthline.com :
<https://www.healthline.com/nutrition/can-you-eat-bread-mold>
- [Canva for worksheet templates](#)
- Mouldy bread time-lapse: Movie Vertigo: <https://youtu.be/xlOOXh6t68c> (1.20 min)
- Rules for Scientific drawings: Miss Ausman:
<http://missausman.weebly.com/uploads/8/7/1/5/87157986/rulesforscientificdrawingchecklistrubric.pdf>
- Examples of scientific drawings: Mrs Schramek:
<https://mrschramek.files.wordpress.com/2018/11/scietific-drawing.png?w=840>