

**Secondary Science SBE
Lesson Plan Framework**

Lesson Title: Changes of state

Group: 7_0 **Location:** M21 **Date/Time:** 16th May /11h25 to 12h25

Learning Objectives: Students should learn:

- to discuss the movement of particles when energy is applied to them.

Learning Outcomes: Most students should be able to:

- to describe how particle theory can explain some phenomena.
- explain observations in terms of particles.
- explain their observations using the particle theory.

National Curriculum/Syllabus References (incl. reference to previous KS)

Ks3, Sc3, Exploring Science text book, pages 78-19 (States matter) NC4

Links to other areas

Literacy, kinaesthetic learning styles, and developing science thinking skills.

Previous assessment details informing this lesson.

Last lesson main activity was useful to check if pupils can link some kinaesthetic styles with their learning.

Differentiation

By questioning
By support
By modelling

Health and Safety

Lesson safe for pupils.

Lesson Development

Timing (min)	Teacher activity	Pupil activity	# Resources	Assessment Items
3	Taking the register	Pupils will pay attention to the register.	Teacher planner	
2	Sharing lesson aim	Pupils will be listening and writing the lesson aim about changes of matter.	Small white board books	-
10	Setting the starter activity.	As a starter activity pupils will have a interactive quiz that leads to the next activity.	Traffic light cards Computer White board	Individual assessment by using the traffic lights.
10	Going Through power point with a brief explanation.	Pupils will understand the important of energy when a solid turns into a liquid, and a liquid into a gas.	Computer Power point	-
10	Setting a thinking task.	Pupils nee to write what they think about what is melting, condensation and evaporation. Going over the answers.	White board Books	Assessing pupils developing some thinking skills. Q+A Note: Making sure that all pupils are on task.
15	Setting a plenary activity	Plenary activity will be a matching (terms with the correct theory and observation). Going over the questions. Extension activity with an interactive exercise.	Worksheet Computer Ks3 resources software	Pupils will be assessed individually by doing and trying to answer the worksheet questions.

Secondary Science at Edge Hill

5	Watching a video	If time pupils will have the opportunity to watch a video that recaps the entire lesson.	Computer Video speakers	-
5	Setting instructions to pupils pack away.	Pupils will clean their desks and move to next lesson.	-	-