

**Secondary Science SBE
Lesson Plan Framework**

Lesson Title: Light and Materials

Group: 8_y **Location:** M21 **Date/Time:** 16th May/ 14h15 to 15h15

Learning Objectives: Students should learn:

- to look at how light behaves with different materials.

Learning Outcomes: Most students should be able to:

- that materials may be transparent, translucent or opaque.
- that light may be absorbed, transmitted or reflected when it hits an object.

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

Ks3, Sc4 Physics, Exploring science text book , Topic about Sound and Light, NC 5

Links to other areas

Literacy, visual, verbal and kinaesthetic learning styles.

Previous assessment details informing this lesson.

Last lesson was used to introduce key ideas about light unit.

Differentiation

By questioning
By use of stimulus material
By pace of the lesson and relevant use of starters
By support
By guided 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	Individual assessment by Q+A
10	Sharing lesson aim And introducing starter activity.	Pupils will be listening and write down the lesson aim about light and different materials. Pupils will pay attention to the slide show and try to answer a true and false quiz recapping last lesson.	Computer Power point White board books	
10	Going over the power point giving a brief explanation about light being transmitted, reflected and absorbed with different materials.	Pupils will be listening to brief explanation about light and different materials (opaque, translucent and transparent). Class feedback with Q+A.	Computer Power point White board	Assessing pupils communicative skills being developed.
20	Setting a practical task.	Paying attention to teacher instructions, pupils will have different objects per bench. They need to dray a table to verify the level of opacity by using ray boxes.	Books Ruler Ray boxes Microscope slides Tissue Colour paper	Assessing pupil's ability of doing a practical by obtaining, observing and analysing.
10-15	Setting plenary activity.	Pupils will be paying attention to complete three main sentences about the lesson main ideas. Writing the notes of the plenary activity. Going over the answers.	Books computer	Making sure that all pupils answered the questions, and assessing in particular pupils that normally struggle.
5	Setting instructions to pack away.	All pupils should clean their desk, pack away and move to next lesson.	-	-

