

**Secondary Science SBE
Lesson Plan Framework**

Lesson Title: Revision Lesson

Group: 8_Y **Location:** **Date/Time:** 8th June/ 10h10 to 11h10

Learning Objectives: Pupils should:

- revise all the last lessons main contents.

Learning Outcomes: Most students should be able to:

- recap that light travels from a source.
- recap that light travels at a very high speed, much faster than sound.
- recap that light travels in a straight line.
- recap that the path of light can be represented by rays.
- know materials may be transparent, translucent or opaque.
- know that light may be absorbed, transmitted or reflected when it hits an object.
- light is reflected from plane surfaces in a predictable way.
- understand that when light is reflected from plane surfaces in a predictable way.
- know that the incidence angle is equal to the reflected angle.
- learn that light changes direction at a boundary between two different media.
- apply understanding of refraction to every day situations.
- understand how coloured filters change white light.
- combine knowledge from different sources to explain how coloured filters work.
- understand how coloured light can be combined to produce new colours.
- understand how coloured objects appear in white light and in different colours of light.
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National Curriculum/Syllabus References (incl. reference to previous KS)

Ks3, Sc4 Physics, Exploring science text book, Topic about light and mixing colours, 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 the reflection idea by making a practical activity about investigating light refraction. Pupils developed investigative skills.

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 totally safe.

Lesson Development

Timing (min)	Teacher activity	Pupil activity	# Resources	Assessment Items
3	Taking the register	Pupils will pay attention to the register.	Teacher planner	
10	Sharing lesson aim And introducing starter activity. Note: Teacher will put on the board cards with each pupil name. The pupil with more stickers at the end of the lesson will win some sweets.	Pupils will be listening and write down the lesson aim about recapping the entire unit. As a starter pupils will have a worksheet to fill in the spaces recapping the first 2 lessons of the unit about how light travels? Going over the answers.	Computer projector Books worksheet	Assessing pupils' behaviour during starter as well assessing pupils answers. Worksheet with self assessment. Note: Pupils will know that for each correct answer they will win a sticker to put on their cards gave by the teacher.
10	Going over power point with a brief explanation establishing a link with the entrance activity. Setting instructions about the next game.	Pupils will be listening to brief explanation and try to give some feedback to teacher by describing natural and non natural sources of light.	Computer projector Power point White board Individual cards	Q+A Assessing pupils' communicative skills.
10	Setting instructions for the next task.	Pupils will recap refraction and reflection by writing their own definition. Hopefully pupils will make references about the incident and reflected angle to explain the law of reflection.	Books White board	Assessing pupils' answers.

10	Setting a worksheet task about the colour topic.	Pupils need to identify the colours of the spectrum as well to know the primary and secondary colours of light. Going over the answers for learning.	Worksheet White board	Assessing pupils Worksheet
10	Setting the plenary activity.	Pupils will have a quiz game. They will use the coloured balls to answer each of the questions made by the teacher. Going over the answers for learning.	Balls Computer Power point Projector White board	Assessing pupils individually by Q+A and observing their own answers.
5	Handing in the revision booklets to pupils and giving instructions to pack away.	All pupils should receive their own revision booklet. Cleaning their desk, packing away and be moving to next lesson.	Revision booklets	-

