

**Secondary Science SBE
Lesson Plan Framework**

Lesson Title: How does the light travel?

Group: 8_Y **Location:** M21 **Date/Time:** 14th May/ 10h10 to 11h10

Learning Objectives: Students should learn:

- to look at light and how it travels.

Learning Outcomes: Most students should be able to:

- that light travels from a source.
- that light travels at a very high speed, much faster than sound.
- that light travels in a straight line.
- that the path of light can be represented by rays.

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

Ks3, Sc4 Physics, Exploring science text book , pages 128-129 , 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 make the end of unit testes about Rocks and Weathering.

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 | Strategy to control some misbehaviour during the lesson. Individual assessment by Q+A |
| 2 | Receiving the planners. | Pupils need to hand in all their planners to the teacher. | Pupils planner | |
| 10 | Sharing lesson aim And introducing starter activity. | Pupils will be listening and write down the lesson aim about how does the light travel. Pupils will watch a TIM and Moby video about the light and they need to answer to one question (Name some natural sources of light). | Computer Tim and Moby flash animation. books | |
| 10 | Going over a brief explanation about the topic. | Pupils will be listening and teacher will make a brief demo showing that the light travels in straight lines. | Light bulb Clamp computer | Q+A |
| 10 | Setting instructions for a new task. | Pupils will be making a poster by drawing some examples of light sources that they know. | A3 sheets White board Felt tips Colour pencils | Poster will be used as assessment item. Opportunity for pupils show what they already know about the topic. Note: Best poster will have an award. |
| 10 | Setting a worksheet task. | Pupils will have a worksheet to complete individually in silence. Going over the answers. | Worksheet. | Worksheet |
| 10 | Setting plenary activity. | Pupils will be paying attention to complete three main sentences about the lesson main ideas. | Books computer | Q+A |
| 5 | Setting instructions to pack away. | All pupils should clean their desk, pack away and move to next lesson. | - | - |

