

For each lesson please follow the link to Oak National Academy and watch the video, complete any worksheets and exit quiz.

Year 7

Week 1 – SCIENCE – Light

JOURNEYS

Journey; a passage through life, changing and developing over time.

Life is a journey filled with lessons, hardships, heartaches, joys, celebrations and special moments. Enjoy the ride, not just the destination. Cherish each time and don't wish it away.

Monday

Lesson 1 – Light Waves

This lesson looks at the properties of light, how to draw accurate ray diagrams and what happens to light when it meets different surfaces.

<https://classroom.thenational.academy/lessons/light-waves-c5h38c>

TASKS: -

1. Watch the video of the lesson
2. Download the worksheet and complete the tasks
3. What have you learnt? Complete the exit quiz

Tuesday

Lesson 2 – The electrical and chemical effects of light

This lesson looks at the effect of light hitting a surface and a practical to investigate this.

<https://classroom.thenational.academy/lessons/the-electrical-and-chemical-effects-of-light-60vkce>

TASKS: -

1. Complete the introduction quiz
2. Watch the video of the lesson
3. Download the worksheet and complete the tasks
4. What have you learnt? Complete the exit quiz

Wednesday

Lesson 3 – Reflection

This lesson looks at the law of reflection, how to draw a reflected ray accurately and a practical to demonstrate the law of reflection

<https://classroom.thenational.academy/lessons/reflection-c5jp2r>

TASKS: -

1. Complete the introduction quiz
2. Watch the video of the lesson
3. Download the worksheet and complete the tasks
4. What have you learnt? Complete the exit quiz

Thursday

Lesson 4 – Reflected images

This lesson looks at properties of reflected images and the differences between specular and diffuse reflection.

<https://classroom.thenational.academy/lessons/reflected-images-61gket>

TASKS: -

1. Complete the introduction quiz
2. Watch the video of the lesson
3. Download the worksheet and complete the tasks
4. What have you learnt? Complete the exit quiz

Friday

Lesson 5 – Refraction

This lesson involves looking at the practical for drawing and measuring the angles of refraction and explaining why refraction takes place.

<https://classroom.thenational.academy/lessons/refraction-71hkqd>

TASKS: -

1. Complete the introduction quiz
2. Watch the video of the lesson
3. Download the worksheet and complete the tasks
4. What have you learnt? Complete the exit quiz

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Year 7

Week 2 – SCIENCE – Light

JOURNEYS

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Monday

Lesson 6 – Vision

This lesson looks at the function of different parts of the eye, how we see light and how pinhole cameras work.

<https://classroom.thenational.academy/lessons/vision-c5jkcd>

TASKS: -

1. Complete the introduction quiz
2. Watch the video of the lesson
3. Download the worksheet and complete the tasks
4. What have you learnt? Complete the exit quiz

Tuesday

Lesson 7 – Correcting vision

This lesson looks at dissecting an eye to examine the parts and looking at what causes short and long sightedness and how this can be corrected.

<https://classroom.thenational.academy/lessons/correcting-vision-75k64c>

TASKS: -

1. Complete the introduction quiz
2. Watch the video of the lesson
3. Download the worksheet and complete the tasks
4. What have you learnt? Complete the exit quiz

Wednesday

Lesson 8 – Colour

This lesson looks at the colours of the visible light spectrum and why we see objects as a particular colour.

<https://classroom.thenational.academy/lessons/colour-cru3at>

TASKS: -

1. Complete the introduction quiz
2. Watch the video of the lesson
3. Download the worksheet and complete the tasks
4. What have you learnt? Complete the exit quiz

Thursday

Lesson 9 – Filters

This lesson looks at how coloured filters work and applying knowledge of light to exam questions.

<https://classroom.thenational.academy/lessons/filters-cmr66t>

TASKS: -

1. Complete the introduction quiz
2. Watch the video of the lesson
3. Download the worksheet and complete the tasks
4. What have you learnt? Complete the exit quiz

Friday

Lesson 10 – Review of light

This lesson recaps the main concepts of light and allows application of knowledge to exam style questions.

<https://classroom.thenational.academy/lessons/review-of-light-c5h32t>

TASKS: -

1. Complete the introduction quiz
2. Watch the video of the lesson
3. Download the worksheet and complete the tasks
4. What have you learnt? Complete the exit quiz