

1. Begin next unit

Optics and light

What is light? Why is a wave a good model for light? What are the properties of light? Label a wave diagram. What is the relationship between frequency and wavelength and energy?

Video: invisible world - beyond sight

Date March 19

1. Unit Test Returned

- make a review sheet for the exam
- discuss problems on test

2. Finish Invisible Worlds Video

- Start from Xrays of cat

3. Homework

- chemistry review
- optics chapter Light \rightarrow E.M.S.

Date March 20

1. What is light overhead

2. Self Note for Electromagnetic Spectrum

3. Colour - Overhead Note

- photographs - subtractive colour theory
- spotlights - additive colour theory

4. Homework - finish EMS

- compare colour theories

Date March 21

1. Review EMS

Colour theories

2. Sources of light R+MN+ crossword

Demos — Prism, After Image

Date March 22

1. Sources of Light Review

- Video: Bioluminescence
- interview for understanding

2. Ray Model of light

- shadows
- light + matter

Video - Light Fantastic

Tomorrow

Date March 23

1. Shadow Worksheet corrections

2. Literacy Test Activity

3. Light Fantastic Video

Monday

Chapter 11

Date March 26

1. Law of reflection

(Tomorrow)

2. Mirrors

- plane, convex and concave

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4/22

3. Light Fantastic video...

4. Ch.10 Quiz Wednesday

Study 4 Quiz

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5. Field Trip On April 4, Ch 10 quiz Wednesday

1. Chapter 11

- Law of Reflection

- labelled diagram



2. Types of mirrors

Name // Other name // Use

Demos

Concave / Convex

Image formation - on paper

Penny in bowl

finger in mirror

Date March 28

1. Quiz on Ch. 10

2. Ray Diagrams

(A) Plane Mirrors

(B) Concave

(C) Convex

Date March 30

1. Ray diagrams for Curved Mirrors

2. Relationships

Object, Image and focal points

Convex mirrors vs Concave Mirrors

3. Mirror Challenge

A B C D E F G

Who sees Who? Where is the image?

