

What is Light?

Optional Activity Handouts

Chapter 12

Physics



Activity 12.1 Creating an electromagnetic spectrum poster Page 129



Name: _____

Task: Create an electromagnetic spectrum poster, using the information and success criteria outlined below for guidance.

General Information

Gather information to make a poster on one of the forms of electromagnetic radiation. Use the information on pages 128 and 129 of *Inquiring Minds* as a starting point.

- Clearly state the form of radiation you have chosen.
- Give details of the frequency and/or wavelength range for the chosen radiation.
- Give details of at least two uses of this form of radiation. Investigate those given in Table 12.1 (page 129) in more detail, or find some other applications.
- Include other information that might add to your poster. For example, if it is a high energy form of electromagnetic radiation, what are the hazards and precautions associated with its use?
- Include images to enhance your poster and engage the audience.

Success Criteria

To achieve success in this task, you should:

- Include a large clear heading stating the form of electromagnetic radiation you have chosen.
- Describe the frequency and/or wavelength.
- Outline at least two uses of the radiation in language that can be easily understood by other students.
- Describe at least one other interesting fact about the radiation type.
- Use reliable and valid sources of information. These must be included in a bibliography on the back of the poster.
- Include images to make the information more easily understood and engage the audience.
- Present the information in your own words.