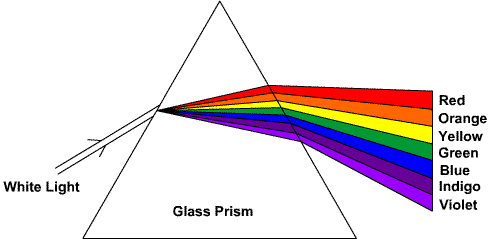
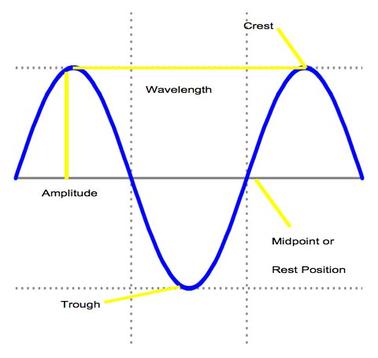
**Chapter 4 – What do I need to know?**

* I can demonstrate knowledge of the behaviour of waves.
  + What are waves? What are the characteristics of waves?
  + Explain and/or label wavelength, amplitude, and frequency
  + Describe two ways that a wave can travel through a medium
* I can explain the properties of visible light.
  + Explain the wave model of light
  + Compare the behavior of waves to the behavior of light
  + Describe how/why refracting white light creates a rainbow
  + Describe different colours in terms of their wavelength, frequency, energy
* I can compare visible light to other types of electromagnetic radiation
  + Compare the electromagnetic waves in terms of wavelength, frequency, and energy.
  + What can each of the electromagnetic waves be used for? Where do you come across them in your life?