

Materials and Nanoparticles

The key areas of study in this topic are:

- Nanoparticles
- Properties and uses

By the end of this topic I should be able to:

	Start	End
9.35C Compare the size of nanoparticles with the sizes of atoms and molecules		
9.36C Describe how the properties of nanoparticulate materials are related to their uses including surface area to volume ratio of the particles they contain, including sunscreens		
9.37C Explain the possible risks associated with some nanoparticulate materials		
9.38C Compare, using data, the physical properties of glass and clay ceramics, polymers, composites and metals		
9.39C Explain why the properties of a material make it suitable for a given use and use data to select materials appropriate for specific uses		

Keywords: nanoparticle ceramic composite polymers

Definitions:

