

<b>Lesson: Safety in the Sun</b>		
<b>Learning Objectives:</b>		
<ul style="list-style-type: none"> <li>Process data and produce graphs using ICT.</li> <li>Understand the importance of sun safety.</li> <li>Comprehend current information on a subject and synthesise for others.</li> <li>Research, using the internet, on a given subject.</li> </ul>		
<b>Starter:</b> Read the BBC article 'Young face skin cancer time bomb' <a href="http://news.bbc.co.uk/1/hi/health/3580315.stm">http://news.bbc.co.uk/1/hi/health/3580315.stm</a>  Discuss what the article is saying. Make sure definitions of all new words/terminology are understood.	<b>Pupils</b> Read or listen to article on sun bathing and current issues surrounding sun exposure. Comprehend article given and learn any new definitions/terminology.	<b>Teacher</b> Facilitate reading of article. Help pupils understand any new words.
<b>Main:</b> Download spreadsheet and manipulate data. Plot graphs to help answer questions/hypotheses. See notes. Feedback findings to whole class. Draw conclusions.	<b>Pupils</b> Use data to plot graphs. Make notes on findings to feedback to whole class.	<b>Teacher</b> Give pupils questions/hypotheses to direct manipulation of data. Support in use of ICT and graph plotting. Organise class feedback session.
<b>Plenary:</b> Either watch video clip on sun safety at <a href="http://www.summerskin.com/">http://www.summerskin.com/</a> (you'll need a broadband link) or Research other sites to find out about sun safety. <a href="http://www.skincancerfacts.org.uk">www.skincancerfacts.org.uk</a> (is particularly good inc. sliding puzzle game) <a href="http://www.statistics.gov.uk/services/downloads/AwarenessWeek.doc">http://www.statistics.gov.uk/services/downloads/AwarenessWeek.doc</a>	<b>Pupils</b> Participate in plenary activity.	<b>Teacher</b> Decide on the appropriate plenary activity. Pupils should learn about how to protect themselves in the sun.
<b>Outcomes:</b>		
<b>All pupils will:</b> Listen to/read information, attempt to produce graphs, understand some ways to protect themselves against the sun.		
<b>Most pupils will:</b> Process data and produce graphs, investigate and list ways of sun protection, complete poem, learn vocabulary.		
<b>Some pupils will:</b> Draw conclusions from data, understand importance of sun protection, further research information.		
<b>Resources:</b> Dictionary, Computer, Spreadsheet software, Printer, Printouts of lesson resources, Internet access.		
<b>Classroom Management:</b> Whole class, pupils do main activity either individually or in pairs. Plenary can be done as a class brainstorm or individually.		
<b>Keywords:</b> Sun, Cancer, Melanoma, Malignant, Data, Graph, Exposure, Mole, UVA, UVB, Dermatology.	<b>KS3 Strategy Links/NC/ Cross-Curricular Links:</b> Maths: MA4 Handling Data, NNS pages 248-276 Citizenship: 2c/ Class Discussion PSHE: 2f/4h Safer Lifestyles Science: Effects of the Sun English: EN1/2/3 Writing to inform, new vocabulary, synthesising information.	
<b>Prior Knowledge:</b> Data interpretation and graph plotting using ICT.		
<b>Assessment of Learning:</b> Class discussion, Data and graph outputs, Homework task.		
<b>Extension Activity:</b> Further investigate trends in sun protection. See Notes		
<b>Homework Ideas:</b> Pupils produce their own factsheet on sun safety. Write an acrostic poem using a 'sun related' word, which gives good advice on sun protection.		

Notes:

**Main Activity:**

Download data into shared area/onto school network.  
Questions to consider. Which gender has the highest rates of malignant melanoma? Which gender is more likely to use sunscreen? Which gender considers sun protection to be most important? Note, women are more likely to sunbathe than men.

**Plenary:**

The Dept. of Health has information on sun care. Search at:

<http://www.dh.gov.uk/Home/fs/en>

Extension:

Try starting with these news articles.

<http://news.bbc.co.uk/1/hi/health/3142386.stm>

<http://news.bbc.co.uk/1/hi/health/3128063.stm>

Link on how to write acrostic poems

<http://www.gigglepoetry.com/poetryclass/acrostic.html>

Your own notes/questions:

Notes on lesson/evaluation