## **Contemporary Science Issues**

Are given an easier group such as member of the public.

Chemistry Lesson 9: Global warming – is it real?			
Curriculum Key:	AQA 12.6	Gateway P1h, P2c	Edexcel Topic 7
<ol> <li>Objective(s)</li> <li>Analyse graphs and interpret tables.</li> <li>Select relevant scientific evidence to support an opinion.</li> <li>Work as part of a team.</li> </ol>		Resources needed: PowerPoint presentation Optional data-logging opportunity – see guidance notes.	
Starter: 15 minutes  PowerPoint – 'A Journey to Venus' (Including a quick recap of the Greenhouse Effect). Students may be encouraged to note the possible signs to support the theory of global warming, as shown in the PowerPoint.		Teacher input/assessment Teacher-led discussion (Note: the PowerPoint activity has an audio track).	
Main Activity 1: 5 minutes  Split class into groups of 3. Each group is one of five roles. Students read their brief and decide upon the evidence that they may want to find in the data to support their argument. Teacher to prompt with suggestions (see teaching notes)		Teacher input / assessment Teacher-led (the teacher may read each role to the class).	
Main Activity 2: 25 minutes  Students analyse the data (suggest that 3 copies of all the data be laminated; each group uses the small tracking sheet to ensure that they have seen everything). In groups, decide upon the evidence that best supports their group's argument. Record on the 'Evidence Recorder' sheet.		Teacher input / assessment Teacher guidance for each group may be dependent upon ability.	
of the class. (Then the teacher may distudents had the same e different conclusions dep	vidence but reached	Teacher input / assessment Discussion at the end.	
Most students should:	as a group to produce 3-6 sunderstand that the same data	tatements that are supported ta can be used to produce di ntradicts their argument to lo	ifferent conclusions.
Key Skills: Communication, presentation skills Key words: aluminium, smelting, environmental factors Homework: Write their opinion on whether after analysing the data they believe the Greenhouse effect is real, and whether the Kyoto agreement will		Differentiation:  More able: should choose appropriate graphs and statistics to support their argument.  Are given a more challenging group (eg MP).  Less able: Interpret graphs.  Are given an easier group such as member of the	

effect is real, and whether the Kyoto agreement will

make a difference.