

Lesson 10: Chemical warfare – are you protected?

Teachers' notes

Using the PowerPoint:

1. Mouse click to move off the first title slide
2. The PowerPoint then is timed until slide 6, mouse click to move onto slide 7
3. The next slide allows a quick discussion question (2 minutes). Then mouse click for each possible answer.
4. Features of a suit (mouse click to put the slide on the screen, then at this point you can use an interactive whiteboard software to write some ideas – 10 mins, small group discussion. After feedback is completed mouse click for the suggested answers to appear on the screen (each one timed, only mouse click once)
5. After the last answer appears on the screen mouse click to proceed to the next slide, then leave to run.
6. After the last text box appears mouse click, the next slide is timed.
7. Mouse click to the next slide when ready
8. The class begin the task after this slide.
9. The final slide is to introduce the main activity of suit design – give students prompts of what type of information could be placed in the boxed categories.

It is hoped that students will annotate and add illustrations to the template to aid their suit design. This could be in the form of a class judged competition (giving extra time to 'finish off' as a homework task) or teacher assessment. Classes with access to ICT could use the final slide as a template and use this to present their suit design.

Note the point made on the lesson plan – students who use several materials and think more about cost and effective use should be credited with more insight into the design of a suit capable of being mass produced for protection against future toxic environments.

The theme of 'warfare' can be avoided as suits could be used against the effects of pollution, large scale industrial accidents or even worsening effects of global warming.