

## Introduction

*Inside Body* is a PowerPoint template that pupils use to produce their own ICT presentations describing the effects of a substance on the body. There are three templates for alcohol, tobacco and solvents. A PowerPoint presentation consists of a series of slides that can include images and/or text. More advanced presentations may also include sounds and movie clips. Pupils select information from a resource document and insert this text into their presentation. They select relevant pathological images which are provided on the PowerPoint template and use these to illustrate their presentation. They can also insert information that they have researched from other sources. This activity should be accessible to a wide range of abilities.

## Running the activity

Pupil familiarity with PowerPoint varies considerably, depending on the ICT curriculum across school and their own individual experience. Arrange pupils in groups, preferably pairs, depending on the number of computers you have available. You could encourage pupils to work with a partner who is more confident with ICT if they feel daunted, but generally pupils learn the basics for using PowerPoint very quickly. The presentation templates have deliberately been kept very simple to facilitate this. An Introduction page follows these teacher notes. Use it as an OHT or copy the text into a new PowerPoint slide and show it via a digital projector to illustrate to pupils how they will give their presentation.

Pupils begin the activity by researching the effects of tobacco, alcohol or solvents. *W/S Planning your presentation* can be used to guide them through this process. Alternatively, pupils could design a flowchart with the title for each slide and a brief summary of its' content. You can extend the research activity by providing time for them to visit websites and use texts to gather additional information. Small points could be noted down on their resource document to enhance the information they have selected. Images and information from websites can be copied and pasted into a document which they can use as they build their presentation.

The presentation illustrates what can happen to 'somebody' if they smoke or abuse alcohol or solvents. 'Somebody' is the character in their presentation. Three images of people are included for them to select from. Alternatively they can import their own image from the Internet or scan in a photograph if you have the necessary equipment and ICT support. Details of how to import images from the Internet are included on the pupil *W/S Designing your presentation*. This *W/S* also explains how to change the order of slides, create new slides in the presentation, type in and edit text etc.

Pupils produce their presentation. This should take one – two lessons depending on lesson length. Encourage pupils who progress quickly through their presentation to enhance their slides with further illustrations. Many are available through clipart, particularly if they have access to the Internet. Ideally presentations should be made using a digital projector onto a screen or white board. If this is not available the alternative is to print the slides onto overhead transparencies. The transparencies and ink required to do this for a whole class would be fairly costly.

## More ideas

- Pupils could produce a summary sheet that they swap with another group which has researched a different substance. Groups which finish quickly could work together to do this for the whole class.
- Presentations could be displayed on the school website.
- Select a presentation to send to ASE to be displayed on the Science Year website.

## Learning outcomes

- pupils should select relevant information from more than one source
- pupils should develop their ICT skills to communicate information
- pupils should understand the effect of smoking on gas exchange
- pupils should know that the abuse of alcohol and solvents affects health

## Prior learning

At KS2 pupils learn about the basic effects on the human body of tobacco, alcohol and solvents, and how these relate to their personal health.

## Where the activity fits in

QCA Unit 9B Fit and Healthy

## Skills

Communication, ICT.

## Careers

All the major activities on the CDROM have a Careers document with them. Printed out these could be used as a growing wall display during Science Year.

## Copyright

The photographs included in the templates have been provided for use during this activity only.

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## Safety

The photographs used in the presentation templates are graphic. Teachers should be aware of pupil concerns for friends or family members.

## Inside story: the body

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Want to know more about what happens when you:

**Drink alcohol?**



**Abuse solvents?**



**Smoke?**



You are going to produce a PowerPoint presentation about one of these substances.

Use the information booklet to construct a profile of 'somebody' who abuses one of these substances.

Use the pathological photographs to show the damage they do to the body.

Your audience could be:

- **Your friends:**  
Do you think they should stop smoking?  
Are you worried that some of them drink alcohol without knowing the damage it can cause?
- **Your family:**  
Do you want them to stop smoking?