

The Health and Safety Reporters Online Teaching Pack **Teacher's Notes**

OBJECTIVES

To develop Key Stage 3 students' understanding of the meaning and the application of health and safety measures in a broad range of situations

To encourage students to investigate the science involved in current health and safety issues

To improve students' ability to both question and respect media coverage of health and safety matters and incidents

To enable students to realise that there are both legal and voluntary aspects to our compliance with health and safety rules, recommendations and advice

This pack includes six picture pages, one introductory report and five reports containing information, statistics, student tasks, quotes, stories and extracts of media coverage relating to:

Industry
The Home
Food
Transport
School

Produced by Resources For Learning Ltd

Sellafield Ltd
Risley
Warrington
Cheshire
WA3 6AS

REPORT 1 - ONLINE TEACHING PACK INTRODUCTION

This report provides students with background information relating to health and safety.

A history of health and safety legislation in Great Britain

Information about the Health and Safety at Work Act

Key figures from the Health and Safety Executive to encourage students to investigate health and safety in the workplace

Media coverage of health and safety stories

A series of statements to stimulate class discussion about health and safety in various situations

REPORT 2 – INDUSTRY

This report investigates health and safety in industry. The aim of the report is to provide students with an overview of the health and safety policies that the nuclear industry has developed. It also prompts students to consider how some of the aims of Sellafield's health and safety policy would also work in other workplaces such as airports, building sites and schools.

The report contains:

Summary of the aims of the Nuclear Decommissioning Authority at Sellafield

Explanation of ionising and non-ionising radiation

Information about how radiation is monitored and measured

Definitions of low, intermediate and high level nuclear waste

The aims of the environmental health and safety policy at Sellafield

REPORT 3 – THE HOME

This report investigates some of the main sources of danger in people's homes and examines one of the most effective technological solutions designed to help prevent domestic accidents – smoke detectors.

As well as the three student tasks, which are a feature of all the reports, a series of questions are provided to prompt class discussion of a variety of issues relating to safety in the home.

REPORT 4 – FOOD

This report focuses on two important issues relating to the food we eat – GM crops and food safety.

What is genetically modified food?

Support for GM crops

Opposition to GM crops

What causes food poisoning?

How can we reduce the chance of getting food poisoning?

REPORT 5 – TRANSPORT

Despite using the latest safety devices available, accidents still happen on both public and private transport. This report provides accident statistics and asks students to consider how road, rail and air transport might be managed more safely. Two everyday safety devices are examined in detail and students are encouraged to consider whether some of the very latest science and technology developments constitute a violation of our personal freedom.

REPORT 6 – SCHOOL

Why do schools have health and safety policies?

What activities go on in schools that might cause injuries or even death to pupils, parents and visitors to the school?

This report focuses on science lessons; the three risk levels that apply to activities involving science experiments and how potential hazards can be reduced. There is also discussion of the confusion surrounding which scientific activities are banned in schools.

PICTURE PAGES

The six picture pages can be used alongside the reports to stimulate a class debate with students expressing their own views about the issues raised. The teacher should encourage students to identify what they think has influenced their attitudes and what might be the original sources of their information and scientific understanding.