

Unit 2 – Working in the IT industry

Industry specific skills

Instructions and answers for Teachers

These instructions should accompany the OCR resource 'Industry specific skills', which supports the Cambridge Technicals in IT Level 2 Unit 2 – Working in the IT industry.



The screenshot shows the OCR IT Level 2 resource 'Industry specific skills'. It includes the OCR logo, the title 'Unit 2 – Working in the IT industry', and the subtitle 'Industry specific skills'. The text explains that the tasks will help focus attention on investigating skills, knowledge, and understanding of health and safety at work in the IT industry. It lists two tasks: 'Task 1 – Constructing an exam quiz paper' and 'Task 2 – Challenge a friend'. Task 1 involves designing a quiz or exam paper using various question types such as open questions, closed questions, multiple choice, true or false, fill in the missing word, multiple choice, short answer, ordering items, and matching items. Task 2 involves challenging a friend to complete a quiz. An alternative suggestion is provided for a 'Who Wants to be a Millionaire?' game based on health and safety. The document also includes a small icon of a book and a note about English skills development.

Associated Files:
Industry specific skills

Expected Duration:
Task 1 – approx 1 hour
Task 2 – approx 30 minutes

This resource is a suggested lesson element to engage the learner in a number of tasks with the purpose of focusing their attention on investigating the skills, knowledge and understanding that IT employees and those wishing to be employed within the IT industry should possess in relation to the subject of health and safety at work. The understanding of question types should be developed as part of Unit 1 Learning Outcome 1 'Be able to communicate information to suit audience purpose and content'.

This resource comprises two tasks. A sample answer follows the tasks below.



Task 1 – Constructing an exam quiz paper

You are to design a quiz or exam paper using a range of differing question types such as:

- Open questions
- Closed questions
- Multiple choice questions
- True or false
- Fill-in the missing word
- Multiple correct
- Short answer
- Ordering items
- Matching items

The subject of the exam/quiz is to be Health and Safety including the Health and Safety at Work Act 1974.

You should make the quiz challenging but not impossible; the questions need to be at yours and your fellow learner's level of ability and knowledge. You need to vary the question types so that the quiz maintains interest and is engaging.

Task 2 – Challenge a friend

When you have finished your exam/quiz you can email to a friend and challenge them to complete it. They could also send their quiz to you and you could try and complete it. See who does the best!

Alternative suggestion

Instead of an exam/quiz paper a group of you could design a 'Who Wants to be a Millionaire' game based around the subject area of Health and Safety and the Health and Safety at Work Act 1974.

Once you have finished you could all play the game and test your knowledge of Health and Safety.



Sample Health and Safety Quiz

The following questions are suggestions to guide learners as to the type of question that they could write as part of their quiz. Learners should be encouraged to use different question forms to create an interesting and engaging quiz. Learners may review online quizzes to give them ideas or to form the basis of their own questionnaires; learners should not directly copy.

Question 1

What is the full name of the medical problem that people who use computer keyboards incorrectly can experience?

- A. Repetitive Seating Injury
- B. Repetitive Stress Illness
- C. Repetitive Strain Injury
- D. Reoccurring Strain Illness

Answer: C

Question 2

People sit at computers for long lengths of time. Give the full name of the disease that can occur in the legs of people who are seated for long periods of time, especially if they sit with their legs crossed.

Answer: Deep Vein Thrombosis

Question 3

Give two examples of symptoms that could indicate that someone has RSI within their hands.

Answer 1: Pins and needles in hands or fingers

Answer 2: Coldness in the hands

Question 4

Indicate which of the items on the following lists could be symptoms associated with eyestrain such as that caused by prolonged computer use?

Symptoms	True or false?
Becoming emotional	False
Blurry vision	True
Acute Headache	True
Forgetfulness	False
Dry eyes	True



Question 5

People can suffer with back pain as a consequence of frequently sitting using a computer at a desk. Suggest three solutions that would help to prevent back problems occurring in computer users and describe why they help?

Answer:

A comfortable, ergonomically designed chair should be used as this promotes good posture and supports the lower back.

Adjusting your monitor height so that it is at eye level and having the keyboard within easy reach prevents the need to hunch over it to work on the computer.

Taking breaks, standing, doing some easy stretching exercises relieves pressure on the back and keeps the spine flexible.

Question 6

Give the full name of the legal document that was launched to make sure that offices and factories etc were safe and healthy environments for people to work in.

Answer: Health and Safety at Work Act

Question 7

Suggest a solution that could be fitted on windows to prevent glare from the sunlight hitting computer monitors?

Answer: Window Blinds

Question 8

Give two things associated with computer monitors that can cause eyestrain?

Answer 1: Flickering display

Answer 2: Looking at the screen for too longer periods without looking away

Question 9

In a modern workplace there is a lot of electrical equipment. Identify three things that should be done or not done to prevent electrocution.

Answer: You should have electrical equipment checked for faults every 12 months.

You should never have any liquids such as drinks near electrical equipment in case of spillage.

Electrical sockets should never be overloaded.





These activities offer an opportunity for English skills development.

LESSON *Elements*

The building blocks you need to construct informative and engaging lessons

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