

G620: Science at Work – Sample Assignment C

Unit Name: Science at Work	Unit Number: G620
Assignment Title: The Gum Company	Assignment: G620 Sample Assignment C
Date Set:	Due Date:
Assessment Objective(s): AO1(b) & AO2(a)	

Vocational Brief:

Gum UK is home to some of the world's well-known and best-loved chewing gum and bubblegum brands. The factory, based in Southern England, contains state of the art technology and receives constant investment to ensure innovation and research continues. This industry uses science not only in the manufacture of its products but also in quality control. It has a range of employees with various skills and qualifications.

Task 1:

Gum Company Study – AO1(b)

The aim of this task is to produce a report on an in depth study of the Gum Company. In your report include:

- an introduction to the Gum Company
- a description of the type of products made by Gum UK including any scientific facts and knowledge relating to these products
- a description of the type of work done in the company and also the knowledge and skills the staff need, the tasks they do, and the number and the range of staff employed
- the roles, responsibilities, skills and qualifications of the scientifically qualified staff in the organisation, with an indication of how they need their scientific knowledge to support their work and the products made by the company
- a description of how research, quality control or ICT is used to support the work of the company.

For the higher mark bands you will need to check:

- relevant information has been selected
- a range of sources has been used
- information is clear and logical
- spelling, punctuation and grammar are correct.

[Max marks possible for this task: 7]

Task 2:

Community & the Environment - AO2(a)

The aim of this task is to prepare a presentation to show the **impact** of the Gum Company on society.

Include how the organisation:

- benefits society
- contributes to the economy
- manages its waste materials
- uses ICT in data management
- controls its energy consumption
- makes demands on transport and communication systems
- has effects on the community and the environment
- impacts in terms of employment.

For the higher mark bands you will need to check:

- your presentation is detailed and supported by additional notes
- you have given the impact on society for all the issues stated
- you have evidence to support that you have given a high quality presentation.

[Max marks possible for this task: 6]

Resources:

Plan a visit to the company. Go prepared with questions that will link to the task requirements. It may be that you will be given a talk during the visit – it is useful to contact the company prior to the visit so they are prepared.

The website of the company.

Any leaflets that the company may use.

www.beep.ac.uk www.peep.ac.uk (good for research on environmental/ethical issues)

www.wrigley.com/uk

www.gumassociation.org/

<http://themintpeople.co.uk/>