

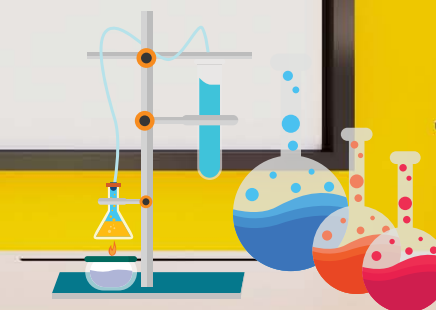


My
World of
Work
LIVE!



Chem Clean

Chemical Sciences



Classroom Clash: Chem Clean

Introduction

Welcome to Classroom Clash! This suite of nine games has been designed to inspire pupils to think about possible future careers.

Each game is linked to an industry important to Scotland's economic growth and where there are lots of opportunities for interesting and successful careers. By playing Classroom Clash, your pupils will be introduced to meta-skills and will start to recognise how these skills can be used in lots of different jobs.

Industries explored within Classroom Clash include:

- **Early Learning and Childcare**
- **Health and Social Care**
- **Construction**
- **Digital Technology**
- **Finance**
- **Manufacturing**
- **Life and Chemical Sciences**



Classroom Clash: Chem Clean

Learning objectives

Using the Chem Clean game and [My World of Work](#), you will explore careers in chemical sciences and discover what skills are required to work in these important job roles. You will learn the importance of cleaning chemical spillages, especially in relation to human interactions.

In this game you will help clean an industrial site by sampling chemical spillages and use a treatment to neutralise the pollution.



Success in this lesson will look like:

- I can identify the different meta-skills needed to work within the chemical sciences industry
- I can give examples of careers related to chemical sciences
- I understand what chemical science career opportunities there are in Scotland

Classroom Clash: Chem Clean

Curriculum links

Sciences: SCN 2-17a; SCN 2-20a

Literacy: LIT 2-04a; LIT 2-07a; LIT 3-07a

Meta-skills

Self-management: **Focusing; Adapting; Initiative**

Innovation: **Sense making**

How did your school do?

- Once the game is finished, input your score to the leaderboard
- Check how well your school has scored compared to others across the nation
- Play again to try and beat your high score!



Well done!



Your final score is

8000

Enter your details to submit your score to the leaderboard

Please note by entering your details, your information will display on the leaderboard and be visible to everyone who selects your school. If you do not want your name displayed, please choose an alias to use instead.

Select your year group

Please select a school

Type your first name here

Submit my score

[Privacy notice](#)

Classroom Clash: Chem Clean

Follow on learning – 10 min activity

- Using the **Explore careers** profiles on **My World of Work**, find three careers related to chemical sciences and give a brief description of each and where they might work
- From the careers you've found on **My World of Work**, list some of the skills you need to work in the chemical sciences industry
- What subjects do you think would be most useful for working in the chemical sciences industry?

Additional classroom activities

- **Chemistry of everyday products:** split pupils into groups and ask them to research and present the information they find on the chemistry behind products like cosmetics, medicines, or food additives
- **Periodic table bingo:** create bingo cards with elements and their properties and call out clues for pupils to identify them
- **Science of cleaning products:** discuss the importance of different types of cleaning products. Can you make homemade alternatives?



Classroom Clash: Chem Clean

Related careers

- Chemist
- Laboratory technician
- Environmental consultant
- Environmental health officer
- Water treatment technician
- Chemical engineer
- Biochemist
- Chemical plant process operator

Useful chemical sciences links

- ScotChem
- Chemical Sciences and industrial biotechnology
- Industrial Biotechnology Innovation Centre
- Royal Society of Chemistry




Sectoral Skills Assessments

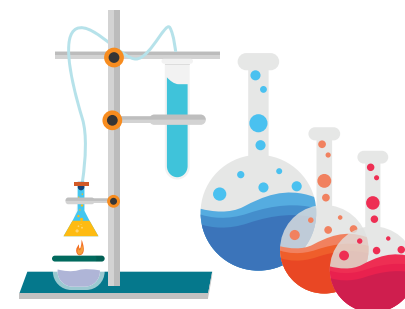
- Life and Chemical Sciences
- Engineering and Manufacturing



Find your route...

When it comes to your career, there are so many possibilities

- Use [My World of Work](#) to find out about different options
- Research different colleges or universities for any courses that interest you:
 - [Colleges in Scotland – list of members](#)
 - [Universities Scotland – list of members](#)
- Look at [Apprenticeships.scot](#) to learn about the pathways that are available. You can start an apprenticeship whilst still at school and you work towards gaining a qualification while on the job. There are 3 options available:
 - **Foundation Apprenticeship** 
 - **Modern Apprenticeship** 
 - **Graduate Apprenticeship** 



Next Steps

Interested in learning more about this sector?

- Make an appointment to speak to your school careers adviser
- Check out the related [Chemical Sciences](#) industry pages on [My World of Work](#)
- Do some research on related careers by checking out the Explore careers pages on [My World of Work](#)
- Listen to industry experts explain their roles within the sector by watching the [Virtual Meet the Expert](#) videos.
- Find out about routes into work and careers by checking out [Apprenticeships.scot](#)

