



# WORLD WAR 1

**Number of Participants**  
**Maximum 30 Learners**

**Duration**  
**10am-2pm**  
*including a 1 hour  
lunch break*

**Price**  
**£9.00**  
*per learner*

## OVERVIEW

Also known as 'The Great War', World War 1 began in 1914 and lasted until 1918. By the time it had concluded, unprecedented levels of carnage and destruction were witnessed on the planet earth as over 16 million people – soldiers and civilians alike had lost their lives.

As a by-product of the conflict however, significant advances were made in many STEM related fields such as medicine, aviation, weapons design and engineering. In this activity you will learn about some of significant scientific and technological advances which were made as result of this event and how they still impact us to this very day.

## ACTIVITIES

**Doctors Differ** - Become a STEM Doctor as you test your ability to diagnose the wide variety of diseases which were faced by the soldiers in the trenches of World War 1. Soldiers suffered terrible conditions on the battlefield – standing for long periods in stagnant water filled trenches, the noise of explosions causing ‘shell shock’, and coping with the threat of millions of flies and rats. Can you read the specific signs and symptoms which the body will produce to indicate a specific illness or disease?

**Undermine** - Trench Warfare was introduced as a key tactic during the Great War. As a result, specialist engineers were trained to construct a network of tunnels under ‘No Man’s Land’ so that explosives could be placed under enemy positions. You will become a tunnel engineer, and with limited resources, you will take part in this competitive task to see if you can design and construct the strongest and most efficient tunnel.

**Wings of War** - How do aeroplanes actually fly? Learn the forces of aerodynamics and aeroplane design and implement them into this exciting and competitive activity. Your plane needs to be accurate and be able to travel a long distance. Will you craft the most effective aeroplane design and be crowned champion of the skies?

## KEY EMPLOYABILITY SKILLS

- Problem Solving
- Teamwork
- Communication
- Self-Management
- Critical-Thinking
- Planning

## KEY STEM SKILLS

- Disease/Illness Symptom Analysis & Diagnosis
- Developing, Testing and adjusting a Design
- Understanding Aerodynamics