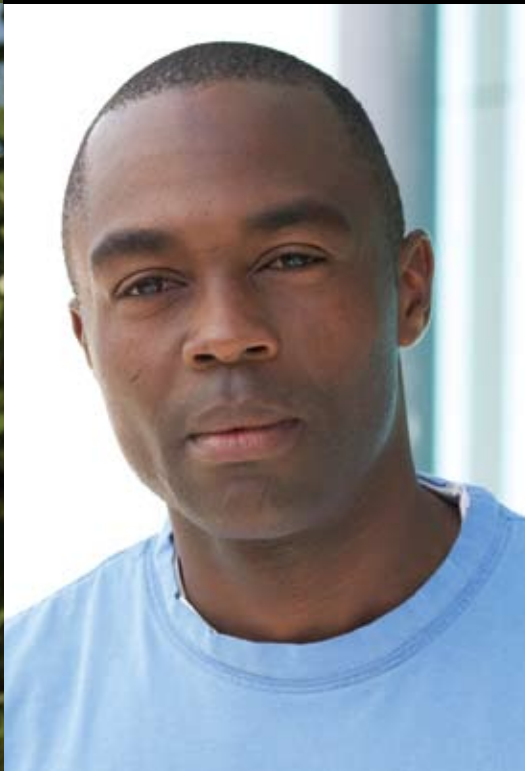




# ARMY SUPPORT ACTIVITIES FOR SCHOOLS & COLLEGES

Technical and Logistic  
hands-on challenges  
designed to develop pupils



# INTRODUCTION

The Army Recruiting Team (ART) – Technical and Logistic Careers – offers a series of Enterprise Activities for schools and colleges. The activities are conducted on school premises for groups of up to 40 students, ranging from a half day to full day in duration.

The activities begin with a short presentation which is followed by interactive, hands-on challenges. The tasks are fun and designed to develop teamwork, communication skills, and decision making with a strong focus on problem solving.

The activities are flexible and can be tailored to suit different age groups, numbers of students and learning outcomes as required. An outline of all available activities is included in this document.

## BENEFITS

The main benefits for the school/college are twofold:

1. The activities focus on the **development of enterprise skills** as part of the “**Determined To Succeed**” initiative such as those shown below:

- » Teamwork
- » Leadership
- » Ownership of a problem
- » The benefit of a positive ‘can-do’ attitude
- » The importance of clear communication
- » Understanding how decisions are made
- » Problem Solving
- » Time Management
- » Determination
- » Budget Control
- » Creativity
- » Self Belief

2. The activities come at **no financial cost** to the school/college.

## BOOKING:

If you wish to book the team then please contact your local Army Careers Advisor (Schools) or Sergeant Major Stuart Wilkes, whose details are below:

### ART 6 Technical and Logistic

Building 107  
Forthside  
Stirling  
FK7 7RR

Telephone: **0131 310 8247**

Mobile: **07766 440083**

Email: **art6.scot@canbroadband.co.uk**

List of courses and activities:

<b>BUILD A BUGGY</b>	<b>Page 03</b>
<b>EGGTASTIC</b>	<b>Page 03</b>
<b>COMMUNICATIONS TOWER</b>	<b>Page 04</b>
<b>COMMAND TASKS</b>	<b>Page 04</b>
<b>MODEL BRIDGE BUILD</b>	<b>Page 05</b>
<b>K’NEX CHALLENGE</b>	<b>Page 05</b>
<b>LOGISTIC CHALLENGE</b>	<b>Page 06</b>
<b>BLINDMANS BLUFF</b>	<b>Page 06</b>
<b>DESERT SURVIVAL EXERCISE</b>	<b>Page 07</b>
<b>BUILD A BARRACKS CHALLENGE</b>	<b>Page 07</b>
<b>VOICE PROCEDURE EXERCISE</b>	<b>Page 08</b>
<b>GLOBAL POSITIONING SYSTEM (GPS) ORIENTEERING</b>	<b>Page 08</b>

**ARMY SUPPORT ACTIVITIES FOR  
SCHOOLS & COLLEGES**



**ARMY**  
**BE THE BEST**  
REGULAR & TERRITORIAL

## BUILD A BUGGY

### DESCRIPTION:

This is a technical project that will test design skills, understanding of engineering and manufacturing skills. It is ideally suited to students with an aptitude for mechanical or engineering disciplines. In groups, students are required to manufacture a buggy from an engineering drawing provided by the team. Students will then learn the following skills:

- 1) How to measure and mark the design on to aluminium sheet
- 2) How to bend, shape and cut the body of the buggy
- 3) Develop a drive system to deliver power from the electric motor to the axle

On completion, each team will race their buggy. The winning team will be awarded a small prize and be able to keep their buggy.

### SKILLS:

- » Team Work
- » Creativity / Design
- » Problem Solving
- » Time Management

**Time:** 3 hours (Ideally whole morning or whole afternoon session)

**Space required:** Classroom, Workshop or Laboratory

**Number:** 12 - 24 students



## EGGTASTIC

### DESCRIPTION:

With limited materials, students must devise a method or construction by which their team egg will survive (intact) a fall of 2m.

### SKILLS:

- » Problem Solving
- » Team Work
- » Decision Making
- » Risk-Taking

**Time:** 1 - 1½ hours

**Space required:** Classroom

**Number:** 30 Students





## COMMUNICATIONS TOWER

### DESCRIPTION:

The students are required to design and construct a communications tower in accordance with a given scenario. They are then to connect a basic signaling system to the tower and encode simple messages using Morse Code in order to send them using the tower. The principles behind modern day communications are based on the same concept as Morse Code and this theme will be delivered to the students by the military instructor.

### SKILLS:

- » Team Work
- » Problem Solving
- » Creativity / Design
- » Time Management
- » Communication

**Time:** 30 minutes - 1 hour  
**Space required:** Classroom  
**Number:** Up to 30 students



## COMMAND TASKS

### DESCRIPTION:

Various tasks / problem scenarios, all with a technical or logistic theme.

During the session the students will be required to act as a team, listening to each other and communicating effectively. These are also excellent exercises for the development of leadership skills.

The session is designed to offer team building in a fun environment and is easily adapted to the abilities of the students.

### SKILLS:

- » Leadership
- » Team Work
- » Problem Solving
- » Decision Making
- » Communication
- » Determination
- » Time Management

**Time:** 20 - 40 minutes per task  
**Space required:** Sports Hall or outdoor area  
 (weather permitting)  
**Number:** 30 - 40 students



## MODEL BRIDGE BUILD

### DESCRIPTION:

A structural design and build task where the students construct a model bridge from the materials given to them. The challenge is to build the strongest bridge that remains 'in budget'. The bridge is then tested to destruction at the end.

### SKILLS:

- » Creativity
- » Problem Solving
- » Team Work
- » Decision Making
- » Budget Control

**Time:** 1 - 1½ hours  
**Space required:** Classroom  
**Number:** 30 students



## K'NEX CHALLENGE

### DESCRIPTION:

The students are tasked to make various types of equipment. The difficulty of the task varies depending on the age/ability of the students.

Depending on the scenario they could be required to build a helicopter, bridge or even the Eiffel Tower!

### SKILLS:

- » Team Work
- » Creativity/Design
- » Problem Solving

**Time:** 30 minutes - 1 hour  
**Space required:** Classroom  
**Number:** 12 - 24 students





## LOGISTIC CHALLENGE

### DESCRIPTION:

The students are split into 2 teams and have to build a trailer from Mta equipment, transport various commodities in the trailer and store them within the given limitations.

During the session the students will be required to act as a team. To achieve success they will have to interact verbally, be able to listen to instructions and in some cases take orders from other individuals.

### SKILLS:

- » Team Work
- » Memory
- » Leadership
- » Communication
- » Decision Making
- » Problem Solving
- » Time Management

**Time:** 30 minutes - 1 hour  
**Space required:** Hall / Gym or Outdoor Area  
**Number:** 8 - 12 Students



## BLINDMANS BLUFF

### DESCRIPTION:

The students are required to work in pairs for this event. Each student will be issued with a Personal Role Radio and one is lucky enough to be issued with a blindfold.

The aim of the exercise is for the commander of the pair to effectively communicate directions to his/her partner in order for him/her to successfully complete a small obstacle course.

The roles of the students are then reversed and once they have both navigated a successful course then the task is complete.

### SKILLS:

- » Effective Communication
- » Team Work
- » Trust

**Time:** 30 minutes - 1 hour  
**Space required:** Hall / Gym or Outdoor Area  
**Number:** 8 - 18 students



## DESERT SURVIVAL EXERCISE

### DESCRIPTION:

The students take part in a theoretical desert survival exercise.

In groups or as individuals, the students are stranded in a desert after the plane they were travelling in crashes and must prioritise the equipment that could be salvaged from the wreckage in order to assist their survival.

### SKILLS:

- » Problem Solving
- » Decision Making
- » Prioritisation

**Time:** 30 minutes - 1 hour  
**Space required:** Classroom  
**Number:** 12 - 24 students



## BUILD A BARRACKS CHALLENGE

### DESCRIPTION:

The students are put into teams then tasked to design and build an Army Barracks, choosing one of five locations around the United Kingdom.

Each team will consist of:

- Team Leader (one student)
- Designer (one or two students)
- Finance Manager (one or two students)
- Public Relations Manager (one or two students)

Consideration of the best location and value for money will be a key part of the successful company's proposals. Land values will clearly be a major consideration.

The new barracks needs to accommodate 600 soldiers. This includes 55 families and single accommodation for 545 soldiers and officers. The students will be able to choose the layout and facilities within the camp and must stay within the budget of £25 million. The team with the most accurate ideas and designs within the budget will win the contract.

### SKILLS:

- » Team Work
- » Creativity/Design
- » Problem Solving
- » Innovation
- » Risk Management

**Time:** 4 - 6 hours  
**Space required:** Classroom  
**Number:** 8 - 20 students  
(min 4 per team) max 60



## VOICE PROCEDURE EXERCISE

### DESCRIPTION:

The students are given a short theory lesson on the principles of using voice procedure within the public services (Armed Forces, Police, Fire Brigade).

Each student is given a radio and a worksheet with the activity culminating in a group exercise to demonstrate the importance of effective communications. During the session students will be required to listen to instructions and apply them to the information provided to them.

The session is designed to develop confidence in speaking in a public arena.

### SKILLS:

- » Effective Communication
- » Listening

**Time:** 30 minutes - 1 hour  
**Space required:** Classroom  
**Number:** 8 - 18 students



## GLOBAL POSITIONING SYSTEM (GPS) ORIENTEERING

### DESCRIPTION:

Students are tasked to complete an orienteering course with the use of GPS. Typically this technology is new to the majority of students and this activity gives them a valuable insight to a system increasingly being relied upon in the Army. It can also be used as "skills-training" for the Duke of Edinburgh award schemes.

### SKILLS:

- » Team Work
- » Memory
- » Time Management

**Time:** 1 hour  
**Space required:** Outdoor area  
**Number:** 30 - 40 students

