

EDUCATION & TRAINING FOUNDATION

Exploring Careers Through Technical Routes

Fire Service



The Industry

Firefighters respond to emergency situations protecting people, the environment and property from all types of accidents and emergencies. They also work closely with the local community to increase levels of fire safety awareness to help prevent fires and accidents happening in the future.

There are two types of firefighter. Wholetime firefighters work for the fire service full time and usually in urban areas. Retained firefighters are on-call responders who usually live/ work within a mile of the fire station and respond to pagers when an emergency call is received (rural areas). A fireman works unsocial hours and can work up to 42 hours a week in a shift pattern. This could mean working two day shifts, two night shifts and then having four days off.

Employers include the civil airport and port fire services, forest industry and industrial fire services protecting private companies in e.g. chemical, pharmaceutical, nuclear or oil.

Fire and Rescue Recruitment http://www.fireservice.co.uk/recruitment/ Prospects https://www.prospects.ac.uk/job-profiles/firefighter Success at School https://successatschool.org

Skills and Requirements

You must to be aged 18 or over to become a firefighter and go through the standard national selection process (National Firefighter Selection and a Personal Qualities and Attributes (PQA) test to check your suitability. You also need to:

- Be physically fit enough to carry heavy equipment and breathing apparatus and to move debris or carry victims
- Be clean shaven to wear breathing apparatus
- Have the ability to clearly communicate conditions
 at an emergency scene
- Have courage e.g. to enter a burning building
- Be able to make quick and smart decisions in an emergency to potentially save lives
- Be able to stay calm and professional under pressure with a reassuring manner even when dealing with people who are badly injured and/or distressed
- Have the physical stamina to stay at disaster scenes for long periods of time to rescue and treat victims
- Have clear vision in both eyes and good hearing
- Be able to to operate a range of tools and equipment

Approximately 42,300 full time equivalent (FTE) Fire and Rescue Service (FRS) staff were employed in England in 2016 In England, there are 46 fire and rescue services run by fire and rescue authorities (FRA) Source: https://www.gov.uk/government Adult Learning Improvement Network

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Working and Learning in the Fire Service



Job Roles & Progression

It is not possible to do actual work experience due to health and safety requirements. You can however be an observer in a fire station or attend an open day. You need to keep fit and gain as much information as possible about both the role and the fire & rescue service in general to pass the recuitment tests.



Study Programme Levels 2 and 3 Uniformed Public Services



Further study BSc (Hons) Fire & Leadership Studies Fire & Rescue

Fire Service College specialist courses Institution of Fire Engineers (IFE) professional qualifications Heavy Goods Vehicle (HGV) licence for driving fire engines



Apprenticeships Emergency Fire Service Operations Level 2 Firefighter and Community Safety



Career Roles Manager: Crew, Watch or Station Specialise in a particular area of the fire and rescue service

sizes of hoses to instruct other

colleagues on which one to use

when and how.

Calculation including problem solving

Tasks 1. Calculate how much time you have in a fire according to the air in your tank.	Links to GCSE Maths 1. Number (whole number - addition, subtraction, multiplication, division)
2. Collate data from previous fire reports in your area to prepare an informative talk on the dangers of a rubbish fire.	2. Statistics (collecting data - data collection sheets, sorting data; representing data - frequency diagrams, bar charts)
3. Calculate the fire flow formula (gallons per minute) to determine the % amount of water required to extinguish a fire.	3. Number (whole number - multiplication); Ratio, proportion and rates of change (percentages - finding a percentage)
4. Estimate the angle and steepness of a slope at a fire scene to decide on the potential effects of fire spread.	4. Geometry and measure (angles - types of angles; Pythagoras' Theorem)
5. Plot the number of kitchen fires by area over a 6 month period on a graph for promotional purposes.	5. Number (whole numbers - addition) Statistics (representing data - frequency diagrams, scatter graphs)
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Communication, all forms	
Communication, all forms	5
Communication, all forms Tasks 1. Comfort an injured person who is being cut out of their car after a	S Links to GCSE English Language 1. Spoken language (speaking; personal presence;
Communication, all forms Tasks 1. Comfort an injured person who is being cut out of their car after a road traffic accident. 2. Brief your team on the way to a fire according to the information	Links to GCSE English Language 1. Spoken language (speaking; personal presence; tone; voice) 2. Spoken language (speaking and listening;
Communication, all forms Tasks 1. Comfort an injured person who is being cut out of their car after a road traffic accident. 2. Brief your team on the way to a fire according to the information you have been given. 3. Give a presentation at a community event on the dangers	Links to GCSE English Language 1. Spoken language (speaking; personal presence; tone; voice) 2. Spoken language (speaking and listening; discussion skills) 3. Spoken language (speaking - audience and

manual; context - time, publication)