

Engineering, Manufacturing  
and Maintenance Apprenticeships

# UNLOCK YOUR POTENTIAL

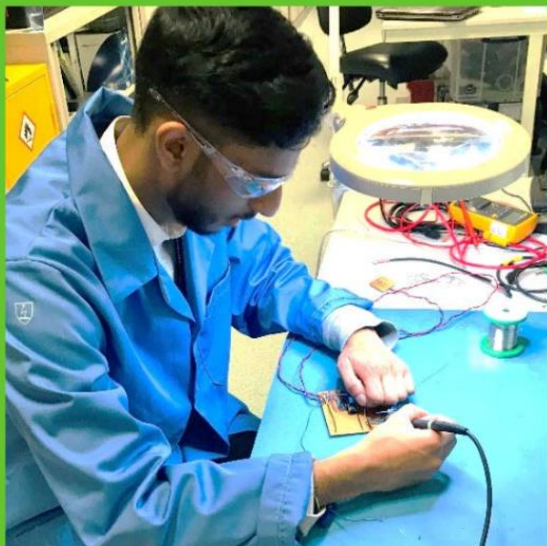
Mark Vingoe

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ENGINEERING TRUST  
TRAINING LIMITED

WHAT IS AN APPRENTICESHIP?



Michael – Systems Engineer – Level 3 Apprenticeship

“My role involves drafting and issuing multiple documents. These documents are a key part of ensuring that projects are delivered within the set time frame. I do a lot of component testing, solving issues and problems before they go into production on a large scale so my work is really important.”

## WHAT IS AN APPRENTICESHIP?

- Brilliant way to kick-start your career
- Learn, gain experience, earn money
- Full employee
- 1 to 4 years depending on level

## WHO ARE ETT?

- Independent Training Provider
- Work with businesses to deliver apprenticeships
- Involved from recruitment to End Point Assessment.

## WHO ELSE DELIVERS APPRENTICESHIPS?

- Colleges
- Other ITPs
- Employers themselves

## HOW TO FIND AN APPRENTICESHIP?

- [findapprenticeship.service.gov.uk](https://findapprenticeship.service.gov.uk)



# 3 KEY THINGS EVERY APPRENTICE MUST HAVE?



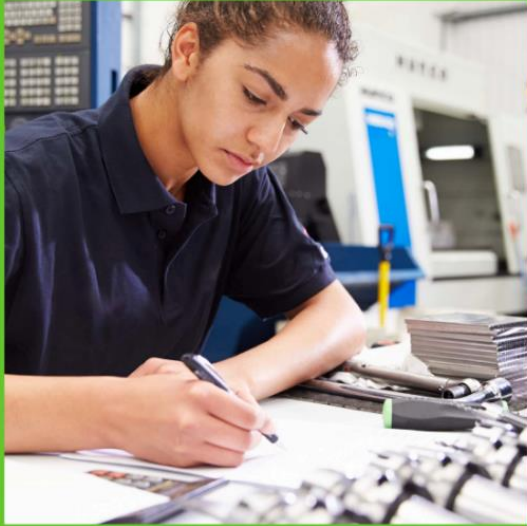
**Enthusiasm**



**Keen to  
learn**



**Commit to a  
full time Job**



## MACHINIST

APPRENTICE LEVEL: 2

**Role detail:** A machinist is someone who operates manual and CNC machine tools in order to produce a component or product. Equipment such as gear cutting machinery, vertical and horizontal machining centres, lathes, multi-axis multi-functional machines and grinding machines might be used as part of their work.

**Industries:** Precision engineering, motorsport teams and their supply chain, manufacturing.



## COMPOSITE TECHNICIAN

APPRENTICE LEVEL: 3

**Role detail:** Composite technicians produce highly detailed components or products using state of the art techniques from materials such as carbon fibre or resin. Their work includes tooling, moulding, laying-up, curing, trimming, finishing, inspecting and testing the items produced, some of which may be one-off specialist pieces or large runs of multiple products.

**Industries:** Motorsport teams and their supply chain, medical, automotive, aerospace.



## SCIENTIFIC INSTRUMENT TECHNICIAN

APPRENTICE LEVEL: 3

**Role detail:** A Scientific Instrument Technician is responsible for the assembly and testing of components, sub-assemblies and final product to agreed specifications, quality, and time frames. They also manufacture components, fixtures and test equipment with the ability to read and understand technical drawings in order to deliver work to the correct specifications.

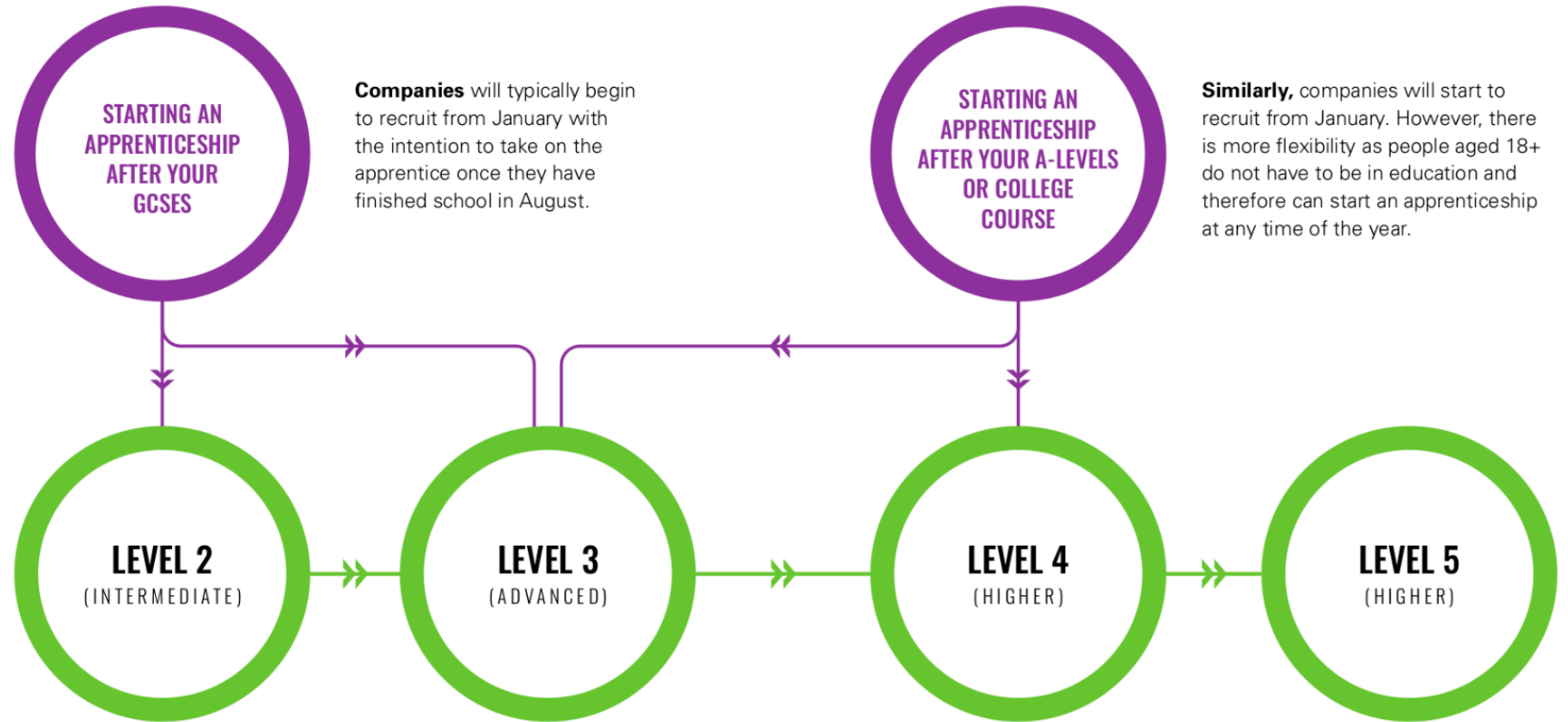
**Industries:** STEM, medical, pharmaceutical, research.



WHAT AGE CAN YOU START AN APPRENTICESHIP?

# THE APPRENTICESHIP JOURNEY

Apprenticeships are an awesome way to progress your learning whilst also earning. You can start at a level 2 and work your way up or jump on at any point, depending on your prior learning and the role a company has employed you to do.



**Companies** will typically begin to recruit from January with the intention to take on the apprentice once they have finished school in August.

**Similarly**, companies will start to recruit from January. However, there is more flexibility as people aged 18+ do not have to be in education and therefore can start an apprenticeship at any time of the year.

**Minimum entry requirements:**  
GCSE's 3-1 (D to G) **OR** BTEC L1 **OR** NVQ L1

**Example Apprenticeships:**  
Lean Manufacturing Operative /  
Science Manufacturing Process  
Operative / Engineering Operative

**Minimum entry requirements:**  
L2 Apprenticeship (Engineering, Construction, Built Environment, IT, Manufacturing) **OR** GCSE's 9-4 (A\* to C) (Maths / Science (ideally triple science) / D&T / ICT / Computing / Engineering) **OR** BTEC L2 / NVQ L2 (Engineering, Construction and Built Environment, Science, ICT).

**Example Apprenticeships:** Engineering Fitter / Engineering Technician / Maintenance and Operations Engineering Technician

**Entry requirements:**  
L3 Apprenticeship (Engineering, Construction, Built Environment, IT, Manufacturing) **OR** A levels (Maths / Physics / D&T / IT / Chemistry / Further Maths) **OR** BTEC L3 / NVQ L3 (Engineering / Construction & Built Environment / Science / ICT).

**Example Apprenticeships:**  
Engineering Manufacturing Technician

Level 5 is a Foundation degree with the ability to progress to higher education, including university degrees. Degree apprenticeships sit at level 6 or 7.



# WHO EMPLOYS APPRENTICES?



“My roles involved me fixing helicopters. They are really interesting machines and I am constantly learning new ways of solving problems and I meet very knowledgeable and interesting people. My ambition is to be an air crash investigator and so my apprenticeship is an excellent way to help me work towards that.”

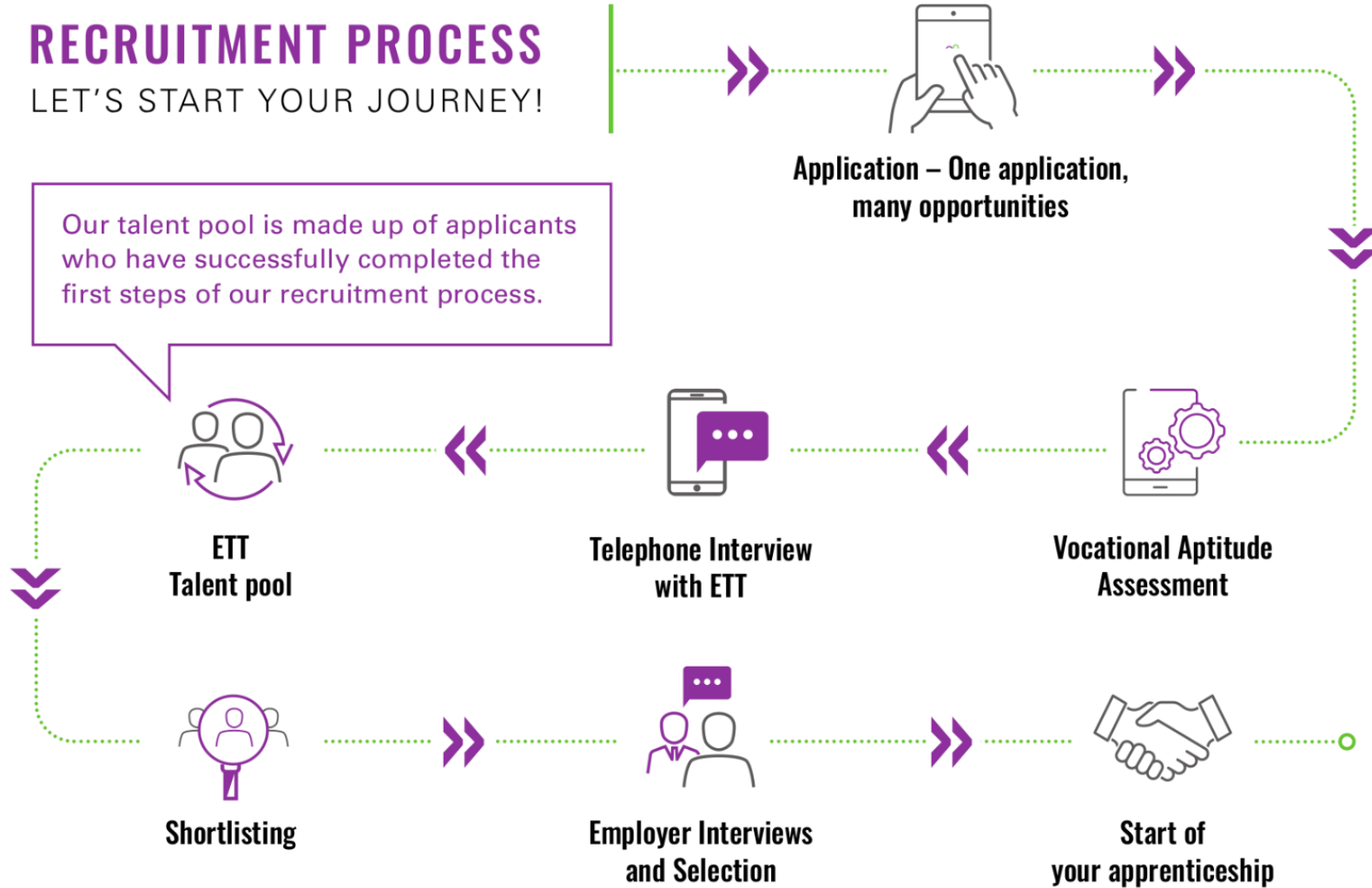
Alice – Mechanical Engineer – Level 3 Apprenticeship



# RECRUITMENT PROCESS

LET'S START YOUR JOURNEY!

Our talent pool is made up of applicants who have successfully completed the first steps of our recruitment process.



# QUESTIONS?



[www.theengineeringtrust.org](http://www.theengineeringtrust.org)



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