FURTHER EDUCATION AND HIGHER EDUCATION OPTIONS

HOP

POST-16 PATHWAYS

Do you have an idea of your post-16 route?

Think about:

- Your passion, hobbies and interests

- Subjects you're interested in

- What motivates you?

- What are your career goals?

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POST-16 PATHWAYS

- What skills will I need?
- What experience will I need?
- What qualifications will I need?
- What work experience would be useful?
- What am I good at?
- Who can I talk to?
- Who can help me?
- Where else can I get advice?

RESEARCH A SECTOR

- [Life Sciences](#)
- [Technology](#)
- [Engineering & Manufacturing](#)
- [Financial & Business Services](#)
- [Film, Media & Creative](#)
- [Construction](#)
- [Health & Social Care](#)

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EXAMPLE – ENGINEERING

Write a plan covering the possible routes into Engineering:

- Degree course

- Degree apprenticeship
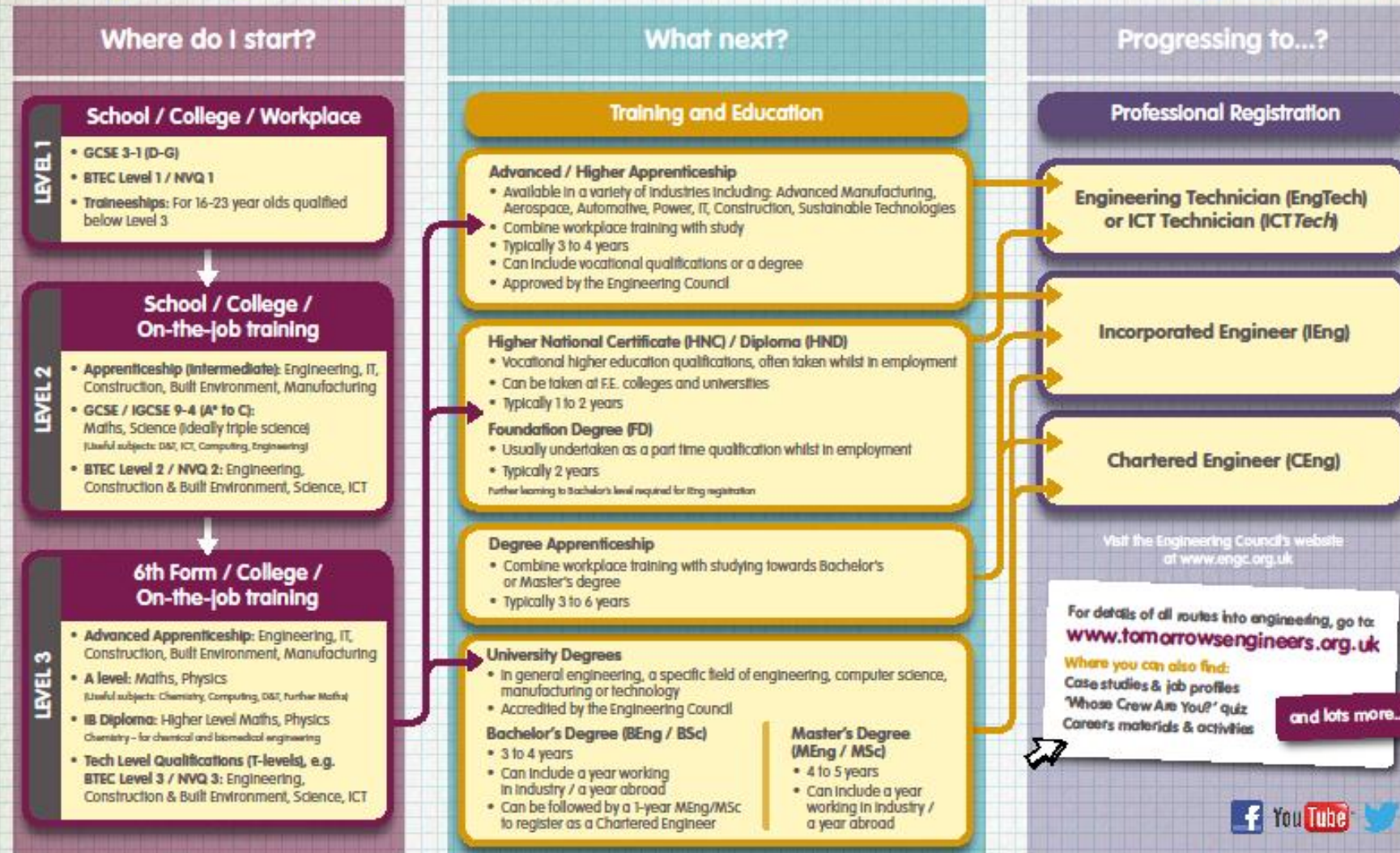
- Apprenticeship programme

- A job

Identify a course you could apply to.
Note down some key facts.
Decide on the next steps to help you.
(e.g. when their next open day takes place)

Career Route Map
for Engineering in England

Tomorrow's Engineers

Where do I start?

LEVEL 1
School / College / Workplace
- GCSE 3-1 (D-G)
- BTEC Level 1 / NVQ 1
- Traineeships: For 16-23 year olds qualified below Level 3

LEVEL 2
School / College / On-the-job training
- Apprenticeship (Intermediate): Engineering, IT, Construction, Built Environment, Manufacturing
- GCSE / IGCSE 9-4 (A* to C): Maths, Science (ideally triple science) (Useful subjects: D&T, ICT, Computing, Engineering)
- BTEC Level 2 / NVQ 2: Engineering, Construction & Built Environment, Science, ICT

LEVEL 3
6th Form / College / On-the-job training
- Advanced Apprenticeship: Engineering, IT, Construction, Built Environment, Manufacturing
- A level: Maths, Physics (Useful subjects: Chemistry, Computing, D&T, Further Maths)
- IB Diploma: Higher Level Maths, Physics Chemistry – for chemical and biomedical engineering
- Tech Level Qualifications (T-levels), e.g. BTEC Level 3 / NVQ 3: Engineering, Construction & Built Environment, Science, ICT

What next?

Training and Education

Advanced / Higher Apprenticeship
- Available in a variety of industries including: Advanced Manufacturing, Aerospace, Automotive, Power, IT, Construction, Sustainable Technologies
- Combine workplace training with study
- Typically 3 to 4 years
- Can include vocational qualifications or a degree
- Approved by the Engineering Council

Higher National Certificate (HNC) / Diploma (HND)
- Vocational higher education qualifications, often taken whilst in employment
- Can be taken at F.E. colleges and universities
- Typically 1 to 2 years

Foundation Degree (FD)
- Usually undertaken as a part time qualification whilst in employment
- Typically 2 years

Further learning to Bachelor's level required for IEng registration

Degree Apprenticeship
- Combine workplace training with studying towards Bachelor's or Master's degree
- Typically 3 to 6 years

University Degrees
- In general engineering, a specific field of engineering, computer science, manufacturing or technology
- Accredited by the Engineering Council

Bachelor's Degree (BEng / BSc)
- 3 to 4 years
- Can include a year working in industry / a year abroad
- Can be followed by a 1-year MEng/MSc to register as a Chartered Engineer

Master's Degree (MEng / MSc)
- 4 to 5 years
- Can include a year working in industry / a year abroad

Progressing to...?

Professional Registration

Engineering Technician (EngTech) or ICT Technician (ICT Tech)

Incorporated Engineer (IEng)

Chartered Engineer (CEng)

Visit the Engineering Council's website at www.engc.org.uk

For details of all routes into engineering, go to:
www.tomorrowsengineers.org.uk
Where you can also find:
Case studies & job profiles
'Whose Crew Are You?' quiz
Careers materials & activities
and lots more...

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PROVIDERS

- Schools
  - [Hertfordshire](#)
- Colleges and other providers
  - [Provider Showcase Hopinto.co.uk](#)
- Courses
  - [All Courses (hopinto.co.uk)](#)

- **LMI**
  - [Labour Market information (hopinto.co.uk)](#)

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POST-16 QUALIFICATIONS

National Careers Service

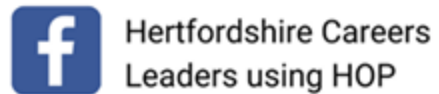[Post 16 options | Careers advice | National Careers Service](#)

UCAS - **U**niversities and **C**olleges **A**dmissions **S**ervice

[Post 16 qualifications you can take | UCAS](#)

CONTACT SLIDE

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 Hertfordshire Careers Leaders using HOP

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