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FUTUREPROOF

CAREERS

Future Tech Careers



Part of the Nicholas Postgate Catholic Academy Trust

Presentation Aims

- Give you an understanding of the Traditional v Digital Economy
- Identify what jobs are currently stable with the Tech Sector and what new roles are emerging
- Understand how the world of job roles are changing Human v Machine
- Understanding of where the UK stand in the Digital and Tech world
- Awareness of demand and salaries for Tech Job Roles
- Recruitment sites

Traditional v Digital

Traditional economy	Digital economy
Factories	Data Centres / Cloud computing
High street shops	Internet website
Newspaper ads/word of mouth	Social media reviews
Transportation	E-sales – digital downloads
Banks and cash points	E-Banking
Schools/textbooks	E-learning, e-books
9-5 commute	Working from home
Physical assets	Google rankings / brand image
Construction	Website development
Real estate	Domain ownership
Cash – cheque payment	e-payment, cashless society
Labour and capital	Automation and AI.
www.economicshelp.org	

Pros v Cons

The Digital economy

Pros

- Greater information and choice
- Saves time
- Reduced costs for business
- Greater personalisation
- Lower barriers to entry
- Greater flexibility in work, enabling people to work from home.
- Benefits for developing world

Cons

- Monopoly power of tech giants
- Less community
- Addictive nature of technology
- Privacy issues
- Bypassing of labour laws.
- Disruption to traditional economy and jobs.
- Potential environmental costs.

www.economicshelp.org

Examples of stable and new roles across all industries

Stable Roles

- Software and Applications Developers and
- Sales and Marketing Professionals*
- Products
- Human Resources Specialists
- Database and Network Professionals
- Supply Chain and Logistics Specialists
- Risk Management Specialists
- Information Security Analysts*
- Electrotechnology Engineers
- University and Higher Education Teachers
- Compliance Officers
- Energy and Petroleum Engineers
- Robotics Specialists and Engineers
- Petroleum and Natural Gas Refining Plant

New Roles

- AI and Machine Learning Specialists
- Big Data Specialists
- Digital Transformation Specialists
- New Technology Specialists
- Organizational Development Specialists*
- Software and Applications Developers and
- Analysts*
- Process Automation Specialists
- Innovation Professionals
- Information Security Analysts*
- Ecommerce and Social Media Specialists
- User Experience and Human-Machine
- Cybersecurity

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FUTUREPROOF

CAREERS

What are T-Levels?

Agriculture,
Environmental
and Animal Care

Business and
Administrative

Catering and
Hospitality

Childcare and
Education

Construction

Creative and
Design

Digital

Engineering and
Manufacturing

Hair and Beauty

Health and
Science

Legal, Finance
and Accounting

Protective
Services (A)

Sales, Marketing
and
Procurement (A)

Social Care (A)

Transport &
Logistics (A)



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80%
CLASSROOM

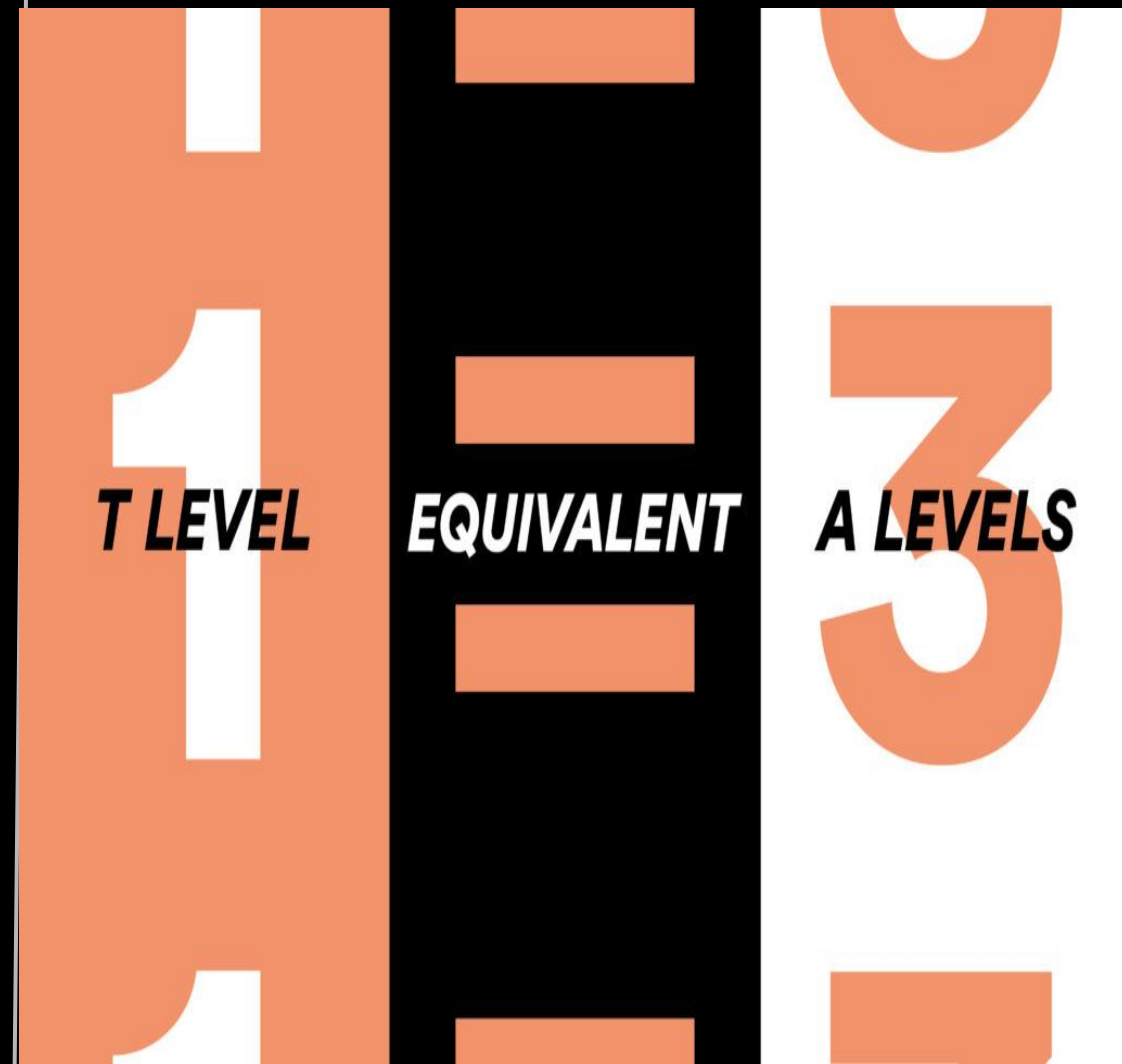
20%
WORKPLACE

T-LEVELS

THE NEXT LEVEL QUALIFICATION

What is the Aim of T Levels?

The primary purpose of a T Level is to help students progress into skilled employment. Although the primary purpose of T Levels is to prepare students for entry into skilled employment, they will also facilitate progression to higher levels of technical education.



Are T Levels right for me?

T Levels are a 2-year qualification designed to give you a head start towards the career you want.

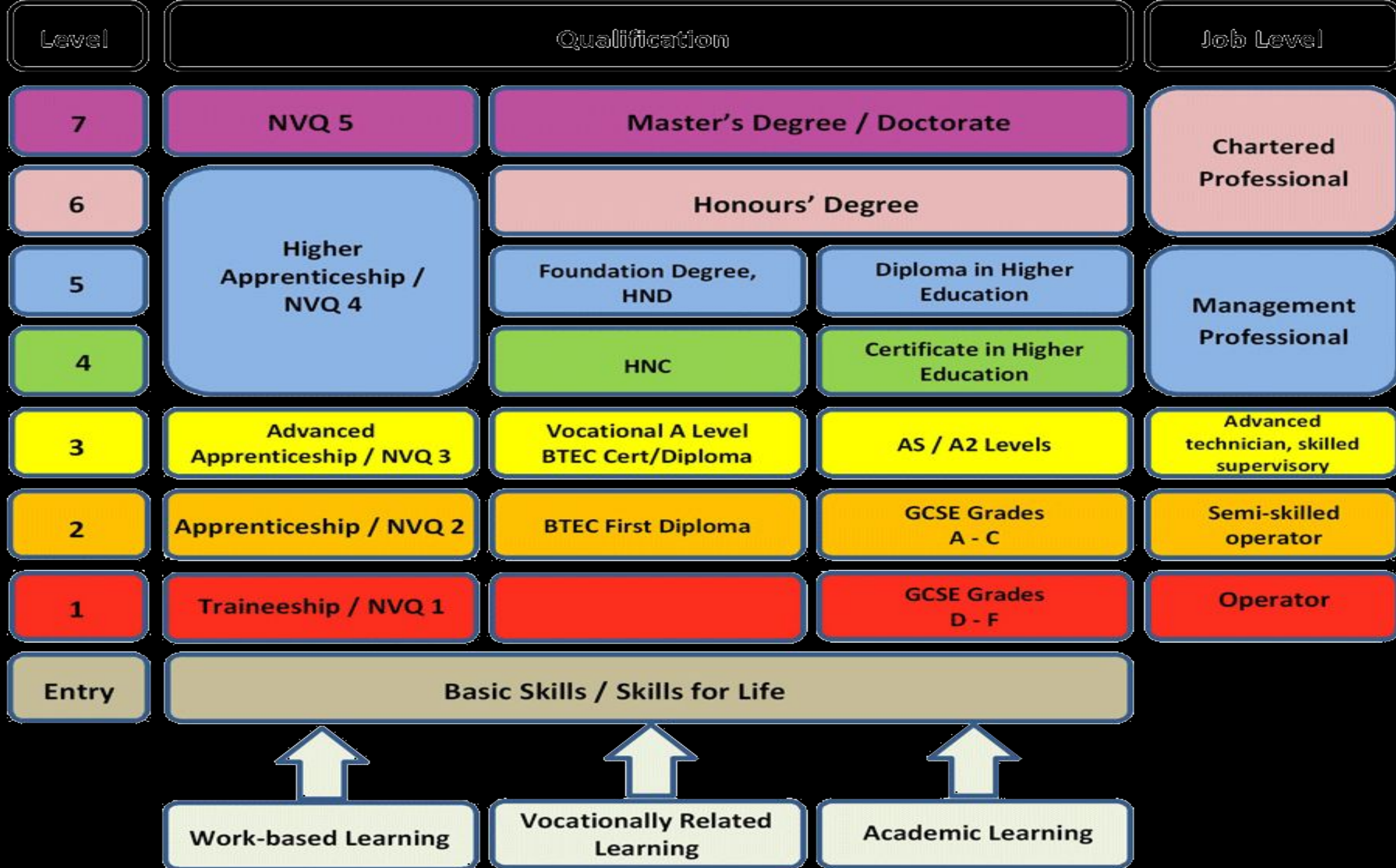
The government has developed T Levels to deliver world-class technical education and give you a new choice after GCSEs.

<https://youtu.be/PTc5pxcHMUY>



you decide





The Careers team are here to answer any questions

Understanding the different levels!

A Levels are linear 2 year courses. This means you need to study for the full 2 years, then pass all the examinations to get the qualification. A Levels are advantageous for university.

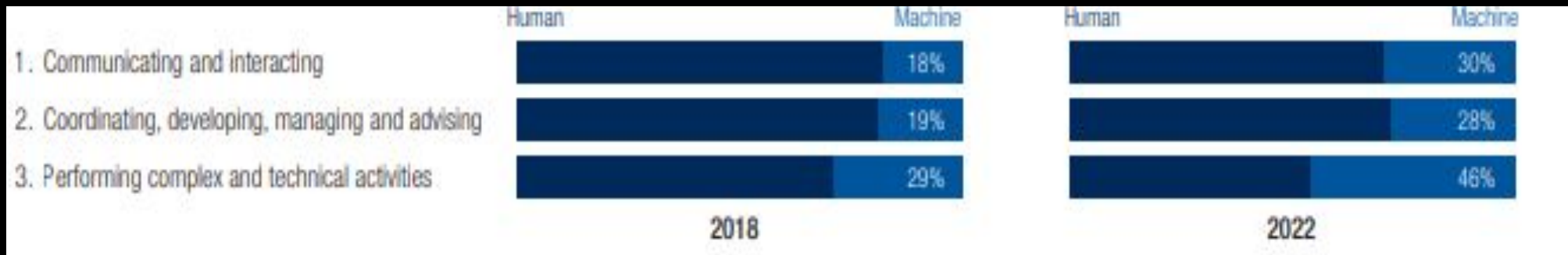
BTEC (Business & Technology Education Council) is a vocational qualification, organised and awarded by Edexcel (Level 3 is equivalent to A Levels).

T Levels (brand new for 2020) will consist of technical knowledge and practical skills in a specific industry. Each T Level will have 1800 hours over 2 years including a placement of at least 45 days (vocational and work based).

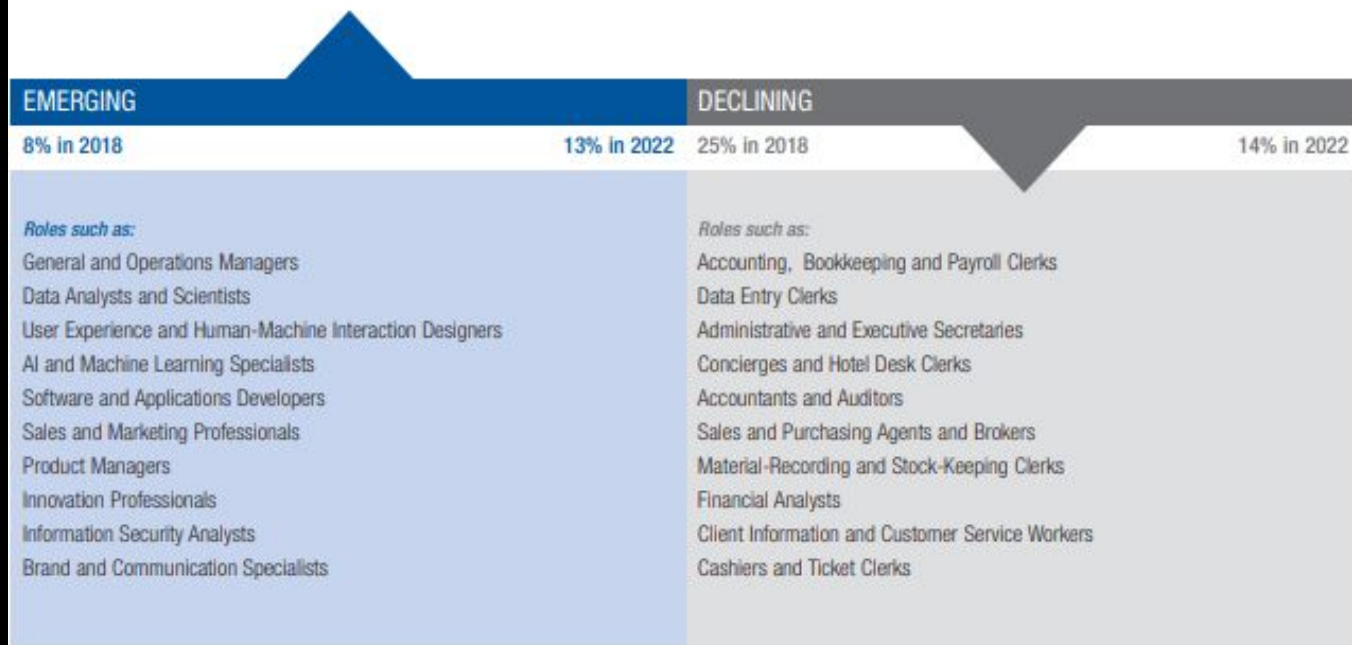
Apprenticeship is a job with training. Being an apprentice means that you have a job that includes gaining recognised qualifications and essential skills whilst you are working and earning wages.

Industry Profiles

Aviation, Travel & Tourism



Workforce in 2018 and 2022

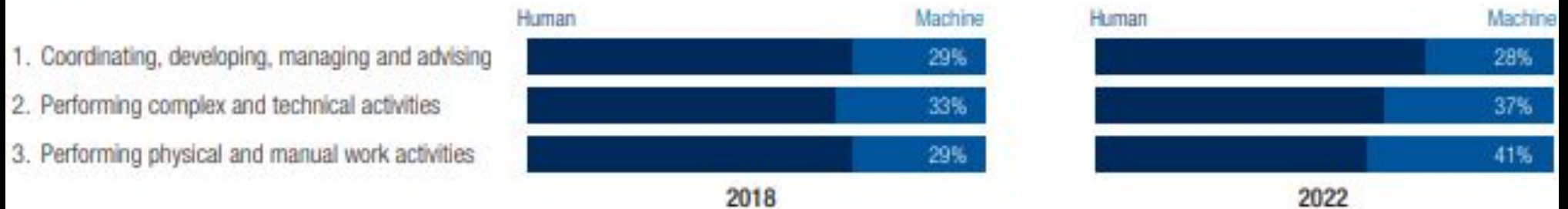


https://www3.weforum.org/docs/WEF_Future_of_Jobs_2018.pdf

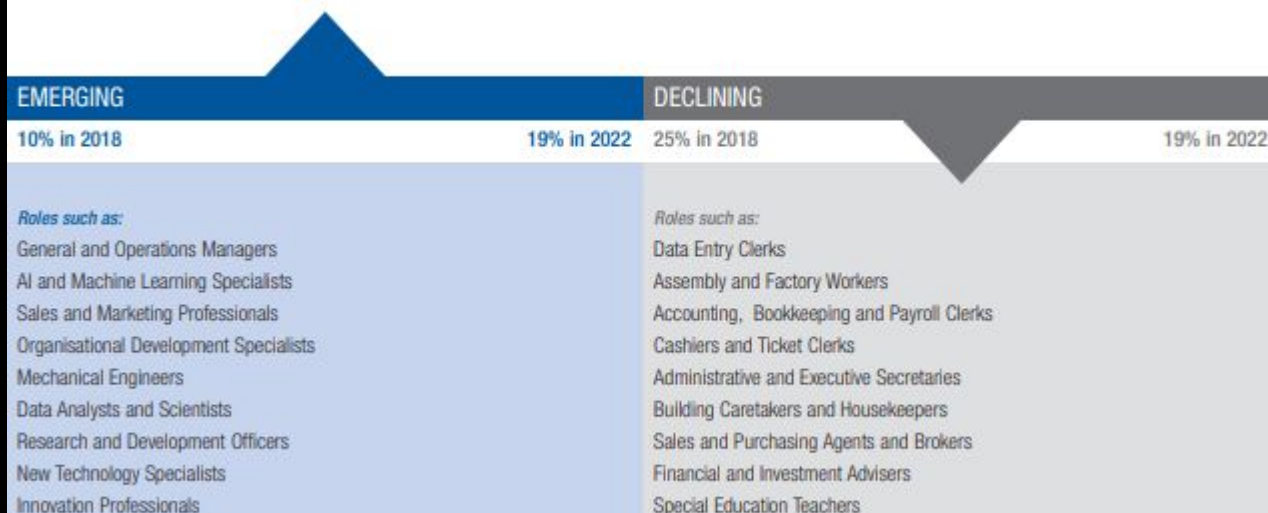
Industry Profiles

Chemistry, Advanced Materials & Biotechnology

Augmentation of key job tasks in 2018 and 2022 *(share of task hours)*

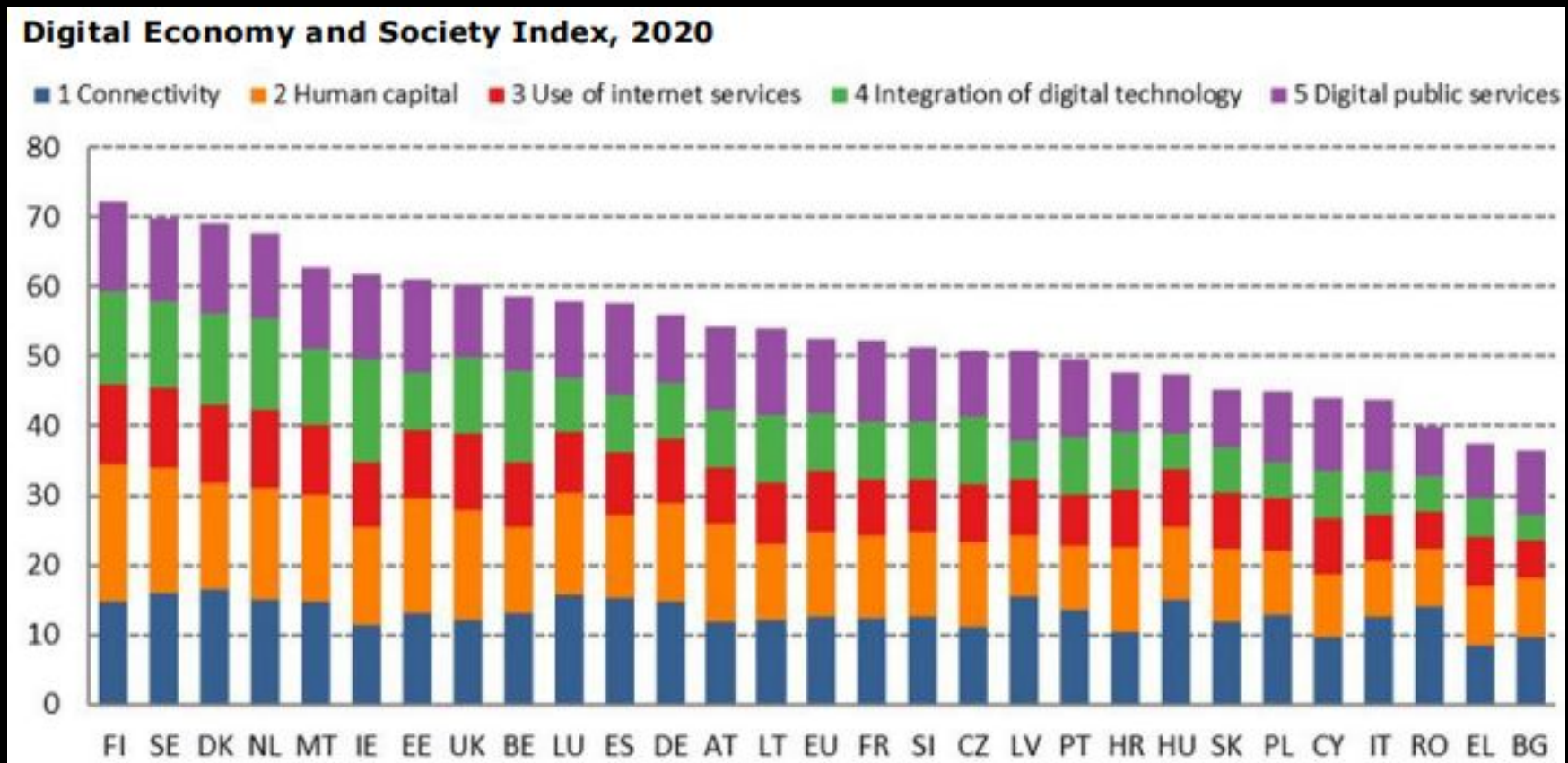


Workforce in 2018 and 2022



https://www3.weforum.org/docs/WEF_Future_of_Jobs_2018.pdf

- The UK is the fifth most digitally advanced nation in Europe (Finland comes top) according to data from the European Union. It is already home to a large number of big tech businesses, and the UK has more tech “unicorns” (start-up businesses valued at £1 billion or more) than any other European country and estimates are that it hires approx. 5% of the total workforce, globally.



Demand and Salaries

- All areas of the pipeline are reacting to this shortage, and in a recent Glassdoor poll, we can see the reaction for entry-level talent. I repeat. ENTRY LEVEL. Its top 6 roles and average salaries were:
- 1. Investment Banking Analyst: Median Annual Base Salary: £50,752
- 2. Software Engineer: Median Annual Base Salary: £34,106
- 3. Business Analyst: Median Annual Base Salary: £32,142
- 4. Data Scientist: Median Annual Base Salary: £30,791
- 5. Financial Analyst: Median Annual Base Salary: £28,717
- 6. Software Developer: Median Annual Base Salary: £28,609

technojobs

The IT & Technical Job Site

 analyst jobs.co.uk	 analytics jobs.co.uk	 businessanalyst jobs.co.uk	 changemanager jobs.co.uk	 civil engineering jobs.co.uk
 C# jobs.co.uk	 DATAJOBS co.uk	 digitaltechjobs co.uk	 dotnet jobs.net	 e-commerce jobs.co.uk
 it-support jobs.co.uk	 itapprenticeship jobs.co.uk	 itarchitecture jobs.co.uk	 itconsultant jobs.co.uk	 itcontract jobs.co.uk
 itgraduatejobs	 ITjobs co.uk	 itjobsinireland co.uk	 IT Jobs In London	 IT JOBS IN MANCHESTER
 IT Jobs In Scotland	 ITsecurity jobs.co.uk	 microsoft jobs.co.uk	 mobiledeveloper jobs.co.uk	 PHPjobs org.uk
 programme manager jobs.co.uk	 project manager jobs.co.uk	 PublicSectorIT jobs.co.uk	 REMOTE IT JOBS	 sapcontract jobs.co.uk
 security cleared IT jobs.co.uk	 SoftwareDeveloper jobs.co.uk	 sql jobs.co.uk	 telecommunication jobs.co.uk	 testing jobs.co.uk
	 top SAP jobs.co.uk	 web design jobs.co.uk	 web developer jobs.co.uk	