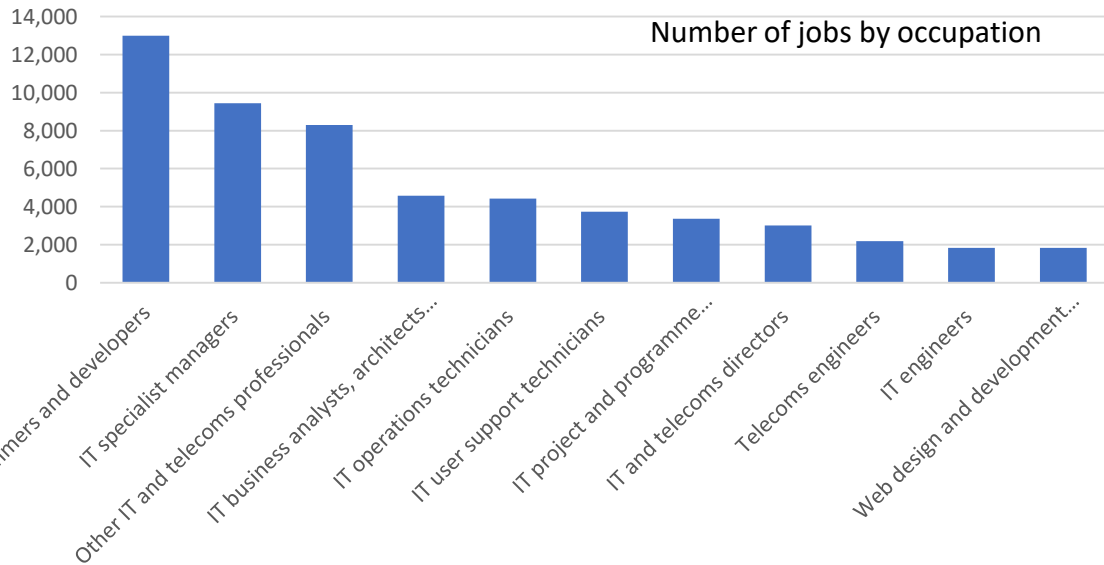


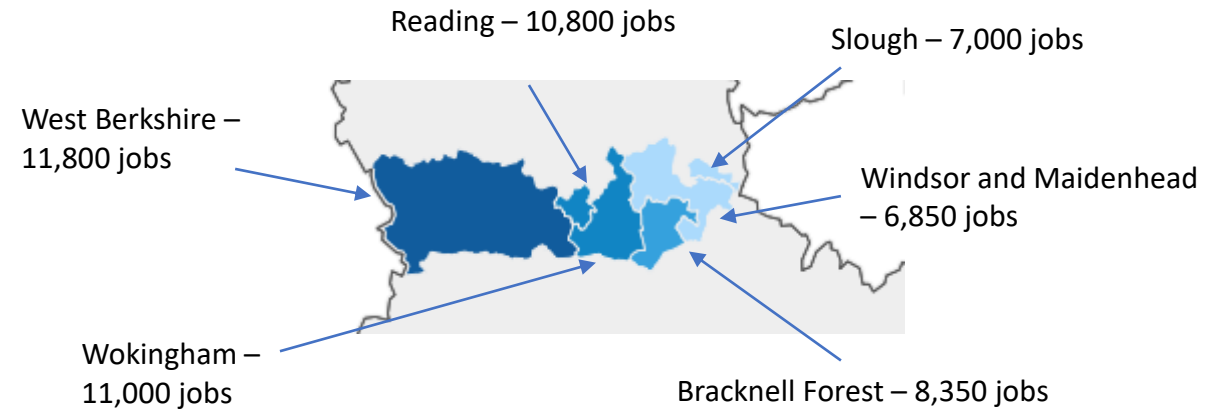
# Digital Technologies Job Family

Major digital tech multinationals including Vodafone, Microsoft, Oracle and Cisco Systems have long understood the locational benefits of the Thames Valley. Many multinationals are based at Green Park, whilst the Thames Valley Science Park is home to 70 companies, ranging from early stage start-ups to global R&D centres.

47% of start-ups surveyed by Tech City UK said that a lack of highly skilled workers was their main challenge.



Employees	55,700 (11% of all employee jobs in TVB)
Self-employment	7,900
Employee jobs growth projection (2016-2024)	6% (3,550 additional jobs)
Proportion of workforce over the age of 55 (TVB figure)	9% (low)
Migrant workforce (national figure)	13% (medium)
Automation potential (national figure)	27% (medium)
Male:Female ratio (TVB figure)	83:17



## Workforce Challenge:

Competing with London and high paying corporates

60% of respondents to the 2017 Berkshire Skills Survey said they found it difficult to recruit tech professionals as they couldn't meet the salary demands of applicants.

## Workforce Challenge:

Diversity

Fewer women are studying technology based subjects at school and university meaning employers have fewer women to choose from when recruiting.

## Workforce Challenge:

Overseas talent

Entrepreneurs are concerned about the extent to which tech communities depend on a flow of overseas talent from EU and non-EU countries to run their businesses. Of the 13% foreign nationals working in the UK tech industry who are not from the UK, just over half are from outside the EU.

## Digital Technologies Job Family



### National skills shortages (Tier 2 Shortage Occupation List)

- IT product manager
- Systems engineer, software developer, shader writer and games designer in visual effects and 2D/3D computer animation
- Data scientist
- Senior developer
- Cyber security specialist

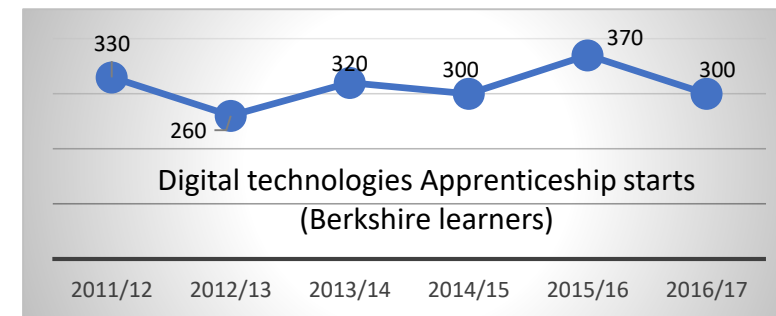


### Thames Valley Berkshire LEP investment

Digital Gum - a six-week course which aims to help apprentices and return-to-work parents fast track their digital careers. The project is funded by the LEP using Growing Places Funds

Local institutions	Location	Type of provision
QA	Slough	Th UK's leading IT training provider, with over 1,500 IT and project management courses including Microsoft, Cisco, VMware, PRINCE2
University of Reading	Reading	BSc, MSc and Phd in Computer Science
Windsor Forest Colleges Group	Langley and Windsor	A+ Certificate L2, CCNA Routing and Switching (CCENT), IT Higher Apprenticeship L4, software packages including Excel and Microsoft Office, Computing Diploma L3, Digital Marketer Apprenticeship L3, Information & Creative Technology BTEC Extended Certificate, L2
Newbury College	Newbury	Computing & Systems Development L4 HNC Diploma, IT Professional Apprenticeship, IT Computing L3 Extended Diploma
Bracknell and Wokingham College	Bracknell and Wokingham	IT BTEC Extended Certificate L2, IT BTEC Extended Diploma L3
Reading College	Reading	Computing (Security) HND, Computing HNC, ICT L1 Foundation Pathway, ICT Practitioners BTEC L2 Award, ICT Practitioners BTEC L3 Extended Diploma, IT and Telecoms L3 Advanced Apprenticeship

There were only 144 A-level examination entries for Computing A-levels in state-funded schools in Berkshire in 2015/16, out of a total of 12,266 entries for all subjects



### Future workforce strategies

Train and retain	Retaining overseas workers, utilising the Apprenticeship Levy to develop staff
Diversify workforce	Working with schools to promote tech careers to non-traditional recruits, providing flexible working, reviewing working hours expectations
Creating sense of place	Creating the physical environment that attracts cutting edge start-ups and thus the next generation of tech talent