



Welcome

Time	EVENT PROGRAMME					
09:30	Registration					
10:00	Future-proofing your career chances in a changing world of work Mike Thompson					
11:00	Break					
11:10	Study Skills David Hodgson					
12:10	"What I wish I knew when I was in year 12" Undergraduate Student Ambassadors					
12:25	Split into streams					
	Physical Sciences	Humanities	Creative Arts	Social Sciences	Health & Wellbeing	Business & Finance
12:30	Campus Tour & Lunch					
13:35	Cryptology Workshop	Law & Ethics Workshop	Creative Skills or Performance Workshop	Psychology Workshop	Skills for Health Workshop	The APPrentice Workshop
14:35	Welcome to Year 12 Action Jackson					
15:35	Evaluation & Depart					

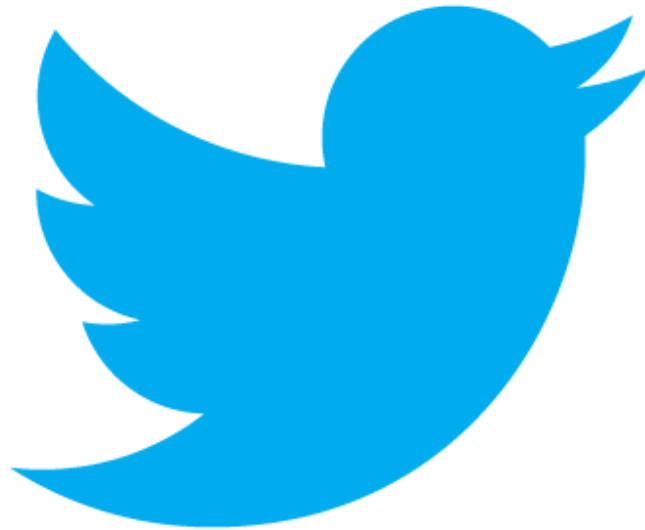


Housekeeping

- There are no scheduled fire alarms today. If you do hear an alarm, please follow the instructions of university staff.
- Toilets are signposted.
- Please do not eat or drink in the Bramall auditorium
- Student Ambassadors are wearing green shirts. They are here to help & answer your questions.



If you like to tweet, please use
the **#MakeYourMove** hashtag



& follow us...

@aimhigherwm



It's your future... So please:

- Listen carefully
- Ask questions
- Take notes
- Enjoy the day
- Complete an evaluation form before you leave





Future proof?

Your career, options at 18 and the future of work
Mike Thompson



Overview

- *It's your future...any ideas?*
- *The changing world of work*
 - *Rise of the robots*
 - *Hot or cold jobs?*
- *More than one way forward...Options at 18 / 19*
- *Myths versus facts*
 - *Degree or Apprenticeship*
- *Q+A*



Clued up...or clueless?

36%

Of students have no idea what career they want to follow

29%

have a rough career idea, but don't know **which qualifications** they need to make it happen

14%

think they have a firm career plan but don't know **what level of qualifications** they would need

21%

Only 21% know what they want to do and how to achieve it!

** Aimhigher survey 918 students in 7 local schools*

But that's not all...Careers Mismatch

Industries / Sectors	Interested in...	Estimated Proportion of 2020 Labour Market
Professional, scientific, technical	26%	9%
Education	19%	8%
Information / Communication	19%	4%
Wholesale / Retail and Mechanical Repair	3%	15%



Career Success!



But things change

- ***The subjects you “love” may change...especially as they get harder!***
- ***What you are good at may change too...***
- ***The secure, well-paid jobs of today might not exist in 5 years.....***
- ***Many jobs of the future haven't been invented yet***
- ***And the robots are coming!***

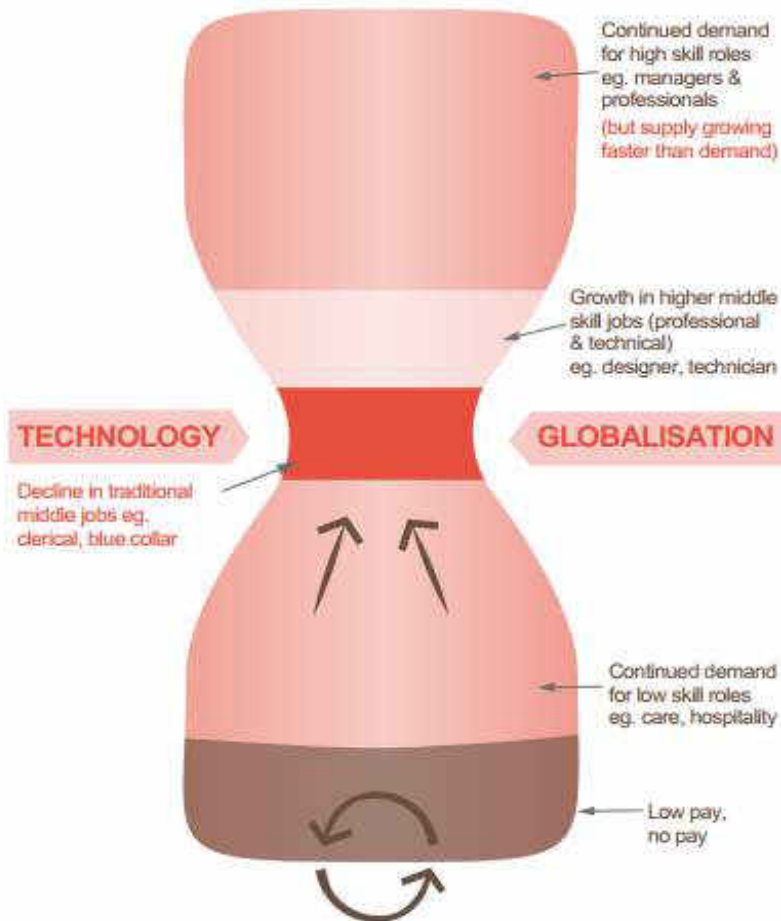


The changing world of work

Progression through the labour market

The Hourglass

UKCES
UNIVERSITY CENTRE FOR
EMPLOYMENT AND SKILLS



30 years ago the world of work was pyramid-shaped, with lots of low skilled / low paid jobs at the bottom and very few high skill / high pay jobs at the top.

New technology and the ability of developing countries to produce technically skilled people, products and services has dramatically reduced the number of “middle skill” jobs in the UK economy.

Recently, lower skilled jobs are filled by workers from other countries

Brexit may change things



Jobs in 2025: Hot or Not?

**Healthcare/
Social workers**



**Logistics /
Transportation**



Jobs in 2025: Hot or Not?

**Insurance Actuaries /
Claims Adjusters**



**Creative Industries
(all)**



Jobs in 2025: Hot or Not?

IT and Data Security




**Accountants /
Finance Officers**

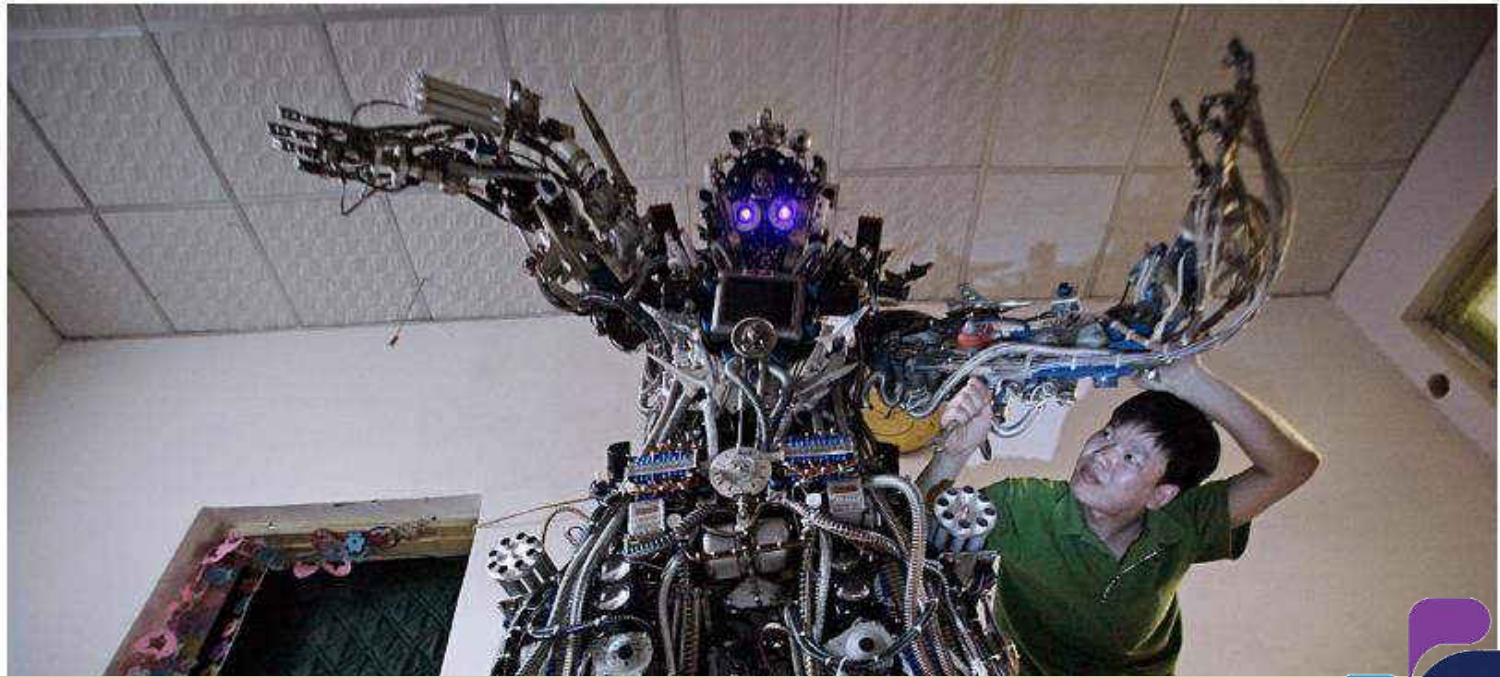


News › Business › Business News

Robots put 15 million UK jobs at risk, warns Bank of England

Bank's chief economist, Andy Haldane, says huge numbers of jobs could be automated in the coming decades

Ben Chu | @Benchu_ | Thursday 12 November 2015 19:03 BST | 



Humans Need Not Apply!



Don't Give Up...

- **There will still be plenty of stuff to do!** (just come round to my house to see some of it).
- **Work will change.** Some industries are more likely to employ people, others robots, but all will need some kind of mix.
- **Robots are still not very good at:**
 - Creativity (but watch out...they're getting better!)
 - **Dealing with the unexpected**
 - Empathy
- **Qualifications will matter even more in the future**



Doctor of Philosophy (PhD)

LEVEL EIGHT

NVQ 7/
Higher
Apprenticeship

Masters Degree/
Post Graduate Certificate or Diploma

LEVEL SEVEN

NVQ 6/
Higher
Apprenticeship

Year 3 Honours Degree - BSc/BA

LEVEL SIX

NVQ 5/
Higher
Apprenticeship

BTEC
HND Diploma

Year 2
Foundation
or Honours
Degree

Diploma of HE

LEVEL FIVE

NVQ 4/
Higher
Apprenticeship

BTEC
HNC Diploma

Year 1
Foundation
or Honours
Degree

Certificate of HE
or HNC

LEVEL FOUR

NVQ Level 3/
Advanced
Apprenticeship

BTEC
Nationals

AS/A2 Levels/
International
Baccalaureate

Access to
HE Diploma

LEVEL THREE

NVQ Level 2/
Intermediate
Apprenticeship

BTEC Firsts

Pre-Access
Diploma

GCSE

LEVEL TWO

Learning at a 'foundation' level

Entry level (1, 2 & 3) and Level 1 qualifications,
including Pre-Apprenticeship/Traineeship, BTEC Foundation Learning

LEVEL ONE

*Beat the robots by
aiming high!*

3% unemployed
£31,041 pa

You are here!

8% unemployed
£17,899 pa

16% unemployed
£13,000 pa

ONS November 2013



University: Myth # 1

“There are not enough jobs for graduates”

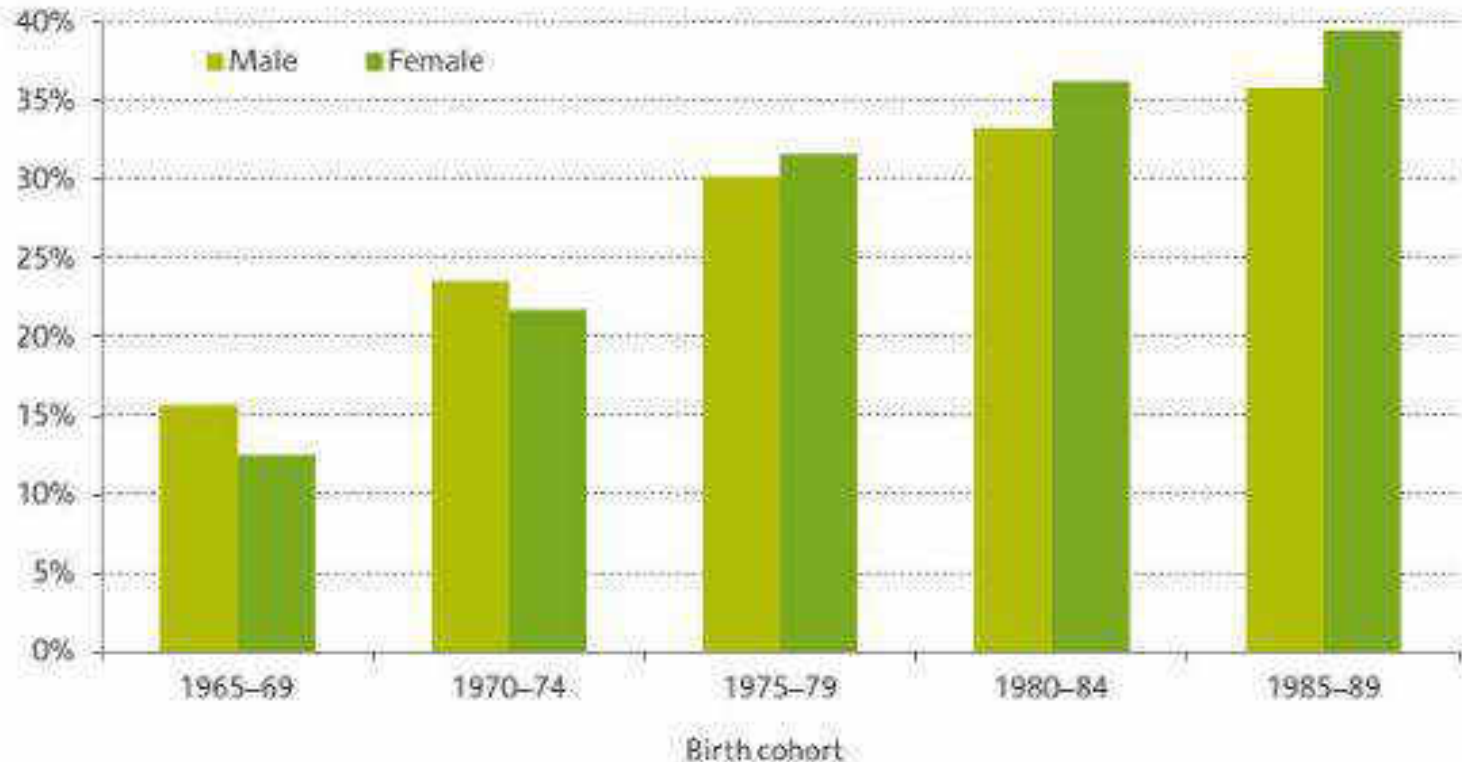
...or...

“Too many people go to uni”

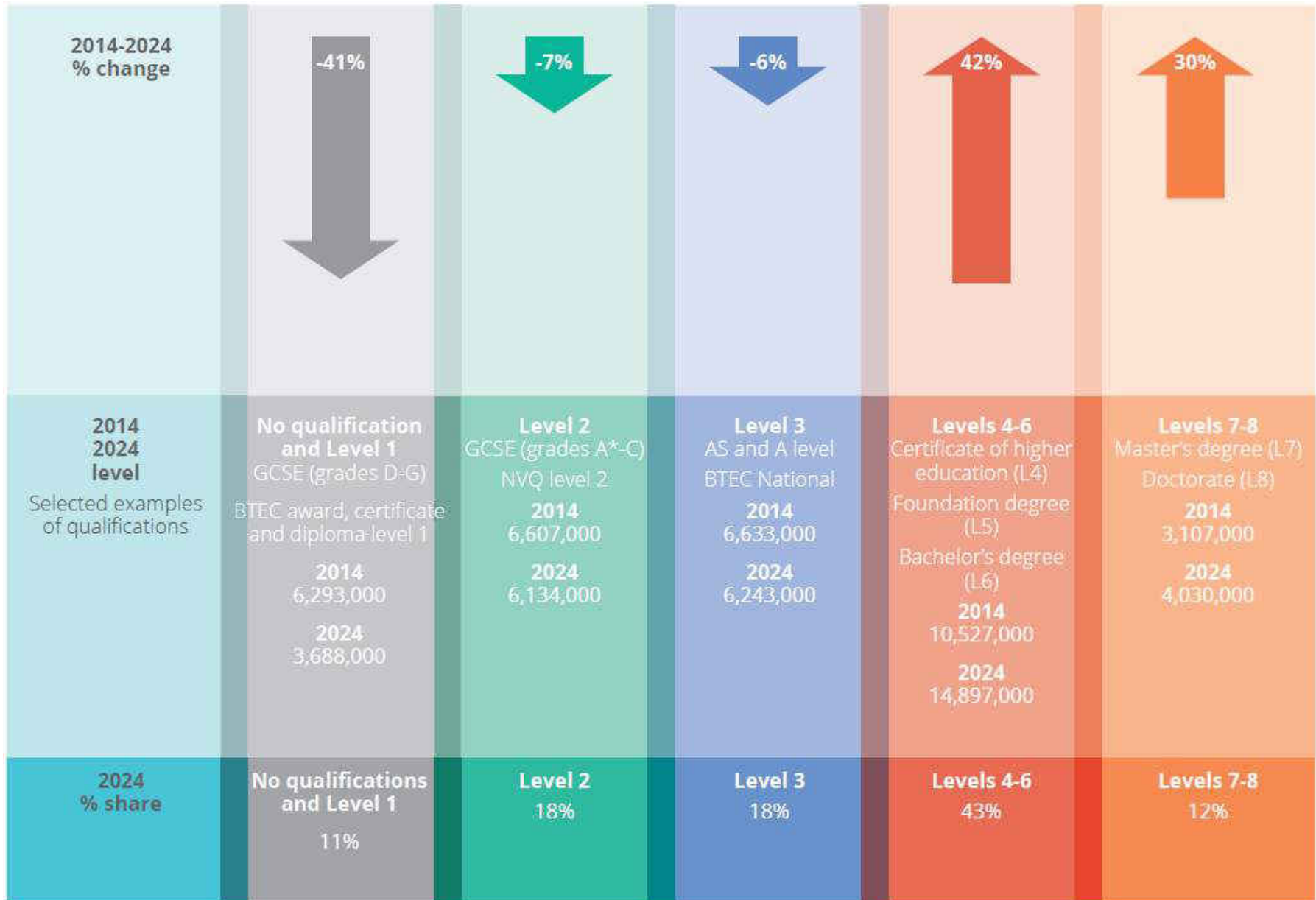


There are more graduates than ever before...

Percentage of 25- to 29-year-olds with first degrees or above, by birth cohort and gender



But we need them! UK Jobs in 2024



And here's where! UK Jobs in 2024



- Primary sector & utilities
- Manufacturing
- Construction
- Wholesale and retail trade
- Transport and storage
- Accommodation and food

- Media
- Information technology
- Finance and insurance
- Real estate
- Professional services
- Support services

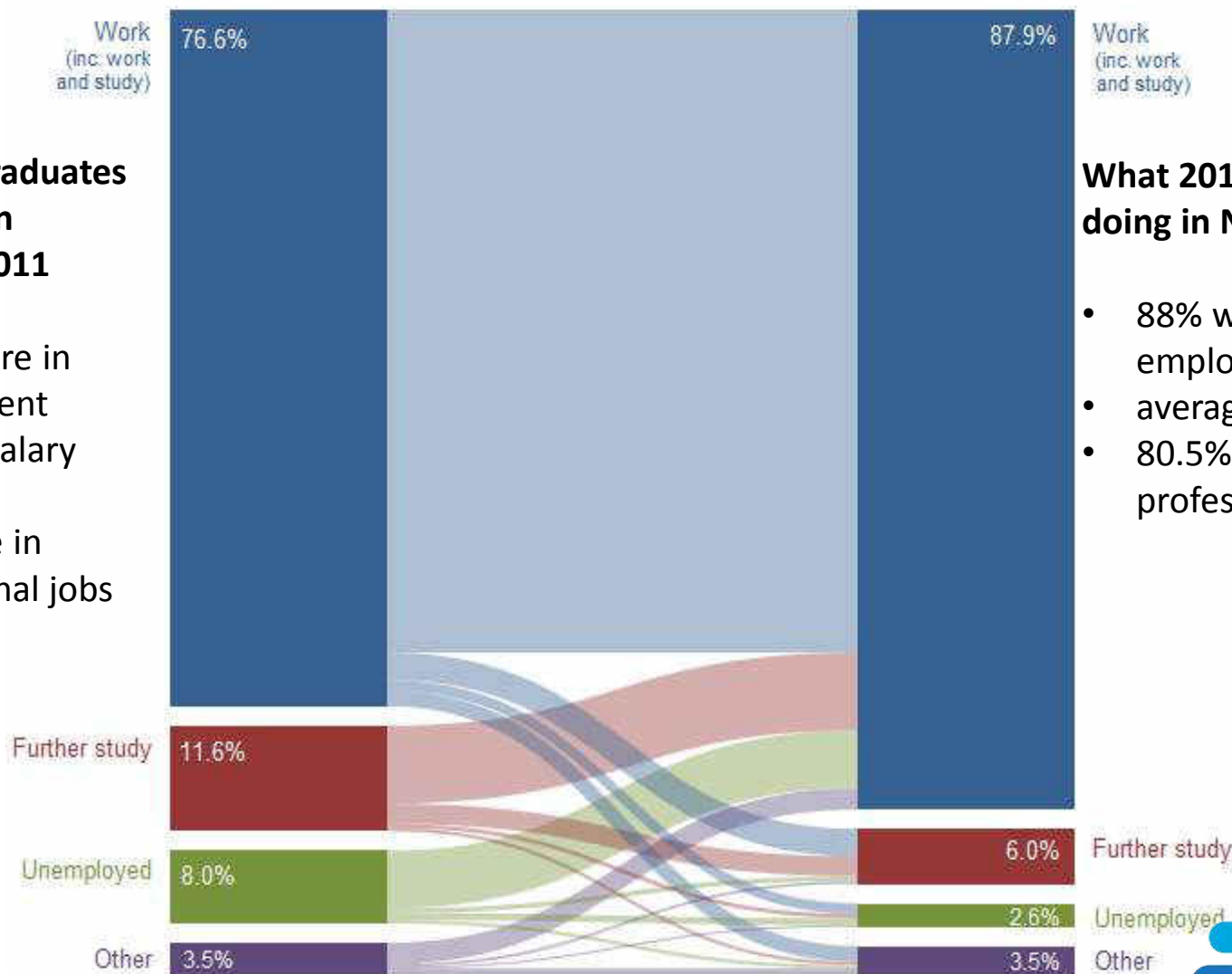
- Public administration and defence
- Education
- Health and social work
- Arts and entertainment
- Other services

Note: Public administration and defence excludes H.M. Forces

Reality: 6 months and 3 ½ years after graduation...

Activity 6 months after graduation

Activity 3½ years after graduation



What 2011 graduates were doing in November 2011

- 76.6% were in employment
- Average salary £22,000
- 63% were in professional jobs

What 2011 graduates were doing in November 2014

- 88% were in employment
- average salary £26,000
- 80.5% were in professional jobs



University: Myth # 2

“Employers only want graduates with 1st class, highly specialist degrees...”



Reality: Most employers see any degree as relevant...

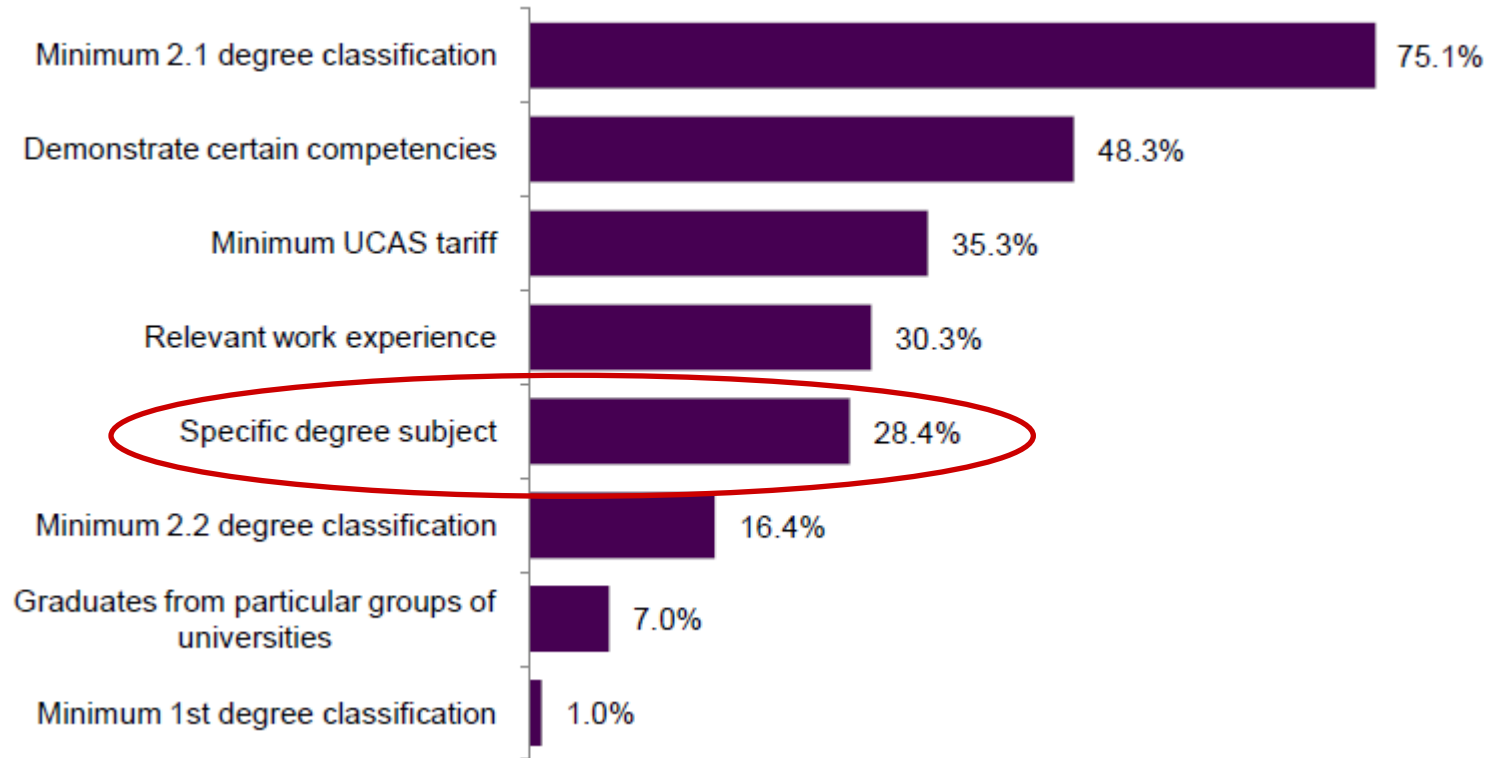


Figure 3.5:
Minimum entry standards at AGR employers in 2012-2013 – Base = 201

...So study a subject you love / are good at...

Myth # 3

“Uni isn’t worth the debt”



Reality: A “No win no fee” option!

Income each year before tax	Income from which 9% will be deducted	Approximate Monthly Repayment
£21,000	£0	£0
£25,000	£4,000	£30
£30,000	£9,000	£67
£35,000	£14,000	£105
£40,000	£19,000	£142
£45,000	£24,000	£180
£50,000	£29,000	£217
£60,000	£39,000	£292

 Any outstanding loan wiped 30 years after entering repayment.

 75% of graduates will never pay it all back!



For the average graduate...

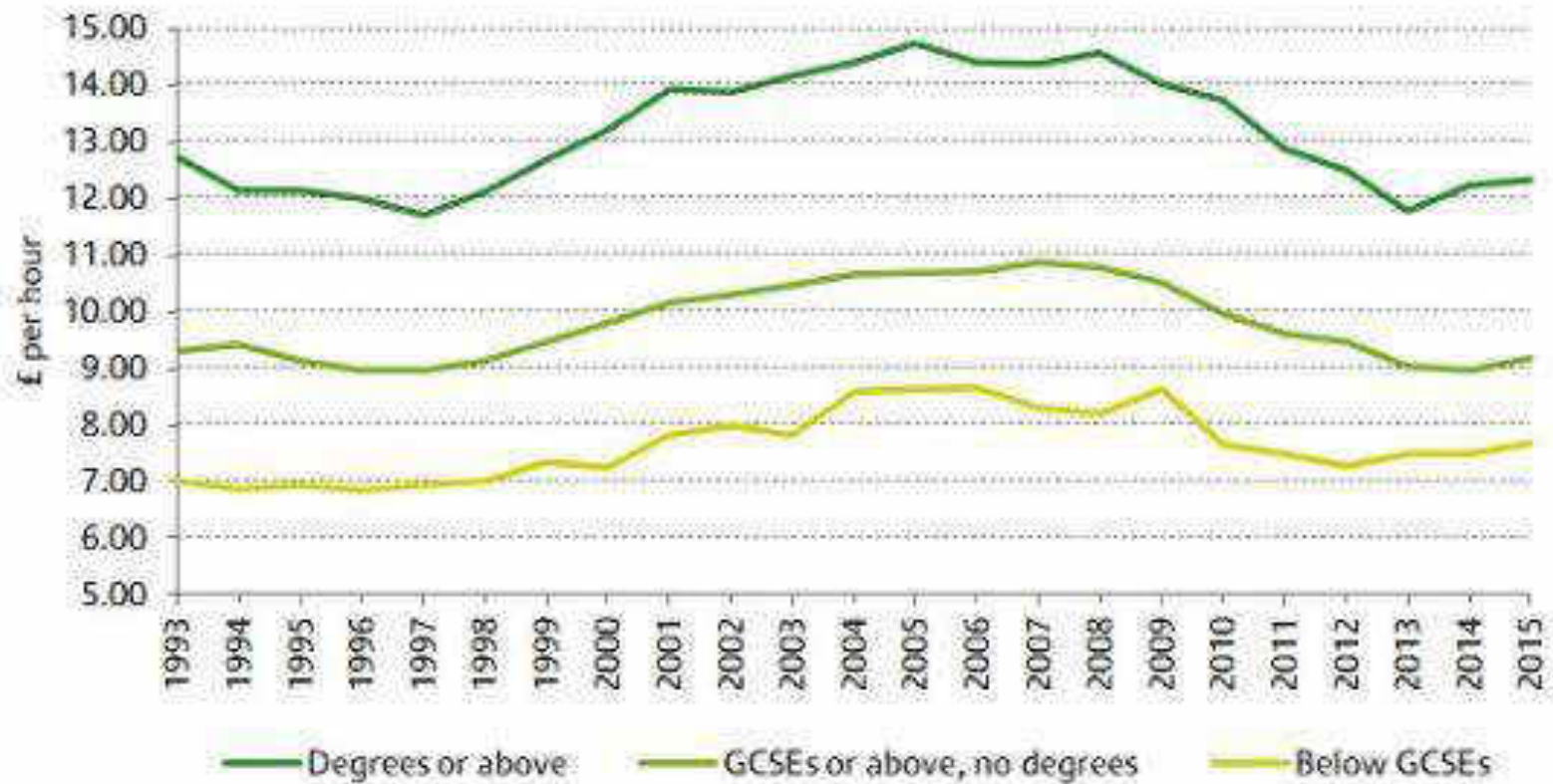
- Average salary circa £26,000 3 ½ years after graduating
- Student Loan Repayment = £37.50 per month (£8.46 a week!)
- Male graduates more likely to be in high paid roles than women
- But female graduates earn 3 times more than women without a degree

Sources: HESA and Institute for Fiscal Studies



Or half an hour's wages a week

Median real hourly wage of 25- to 29-year-olds, by education



Myth # 4

***“We’re all going to do
Apprenticeships instead”***



Apprenticeships within 30 miles

On the government's Find an Apprenticeship website yesterday:

- **Degree Apprenticeships** **3**
- **High Apprenticeships** **7**
- **Advanced Apprenticeships** **436**
- **Intermediate Apprenticeships** **1,443**



Mostly older people...and not at Uni Level!

Apprenticeship Starts in England 2014-15	Under 19	19 to 24	25+	Total
Intermediate Level Apprenticeship (GCSE Level)	84,600	92,700	117,800	297,100
Advanced Level Apprenticeship (A Level)	38,600	61,600	79,400	179,600
Higher Apprenticeships*	1,100	4,200	14,300	19,500

SFA / BIS February 2016

***University Degree starts 2015: 532,300**

- 235,400 aged 18
- 91,800 aged 19



UCAS December 2015

Life-time earnings bonus

Apprenticeship

- £48k to £74k for level 2* apprenticeships (*GCSE level)
- £77k and £117k for level 3 apprenticeships (*A level)
- Level 4 or above “could earn £150k more on average over their lifetime”²

Degree

- Average £108k
 - Males £121k
 - Females £82k
- Medicine / Dentistry £403k
- Law £215k
- Engineering £157k
- Education £89k

[Returns to Higher Education Qualifications: BIS 2011](#)

¹ London Economics (2011) – BIS Research Paper Number 53, Returns to Intermediate and Low Level Vocational Qualifications
² AAT and CEBR (2013) University education – is this the best route into employment?



Other Options at 18 / 19

- DEGREES WITH SPONSORSHIP
- UNIVERSITY/EMPLOYER PARTNERSHIP DEGREES
- SALARIED SCHOOL-LEAVER PROGRAMMES

Apply direct to employer for most

Tough entry requirements

Rigorous selection processes / highly competitive

Very demanding mix of work and study



DEGREES WITH SPONSORSHIP

- **Armed Forces:** any academic discipline
- **BP:** £5,000 for Year 1 of STEM degrees @ Bath, Birmingham, Cambridge, Durham, Imperial, Manchester, Nottingham, Oxford, Strathclyde
- **Whitworth Scholarships:** £5,000pa for any Engineering discipline
- **Balfour Beatty:** Construction, Civil Engineering or Quantity Surveying @ Loughborough, Salford, Nottingham, Birmingham, Leeds, Southampton, Surrey, Durham, Northumbria, Nottingham Trent, Liverpool John Moores
- **Defence Engineering & Science Group (DESG):** Engineering and science disciplines; sponsorship can be obtained during the first year or mid-course
- **Defence Technical Undergraduate Scheme (DTUS):** similar scheme @ Aston, Loughborough, Newcastle, Northumbria or Southampton

UNIVERSITY/EMPLOYER PARTNERSHIP DEGREES

Most are salaried + some pay all uni fees too!

Examples (with grades + approx annual pay):

- Airbus @ Bristol UWE (Engineering); **£13K**
- Barclays @ Anglia Ruskin/Nottingham Trent (Retail Banking); **£16K**
- CGI @ Winchester (Business Management); **£13K**
- KPMG @ Birmingham/Durham (5-yr Audit prog); 22 locations;
ABB/up to £20K + fees
- Merchant Navy Cadets @ Warsash/Fleetwood/S.Tyneside; **£120pw
sea/£175pw**
- Morrisons @ Bradford (Management & Business); **£15K**
- National Grid @ Aston (Electrical Power Engineering); **£24K + car**
- Nestlé @ Sheffield Hallam (Gatwick/York;
HR/Sales/Marketing/Buying); **£17K + all fees**
- PwC @ Reading/Newcastle/Nottingham (4-year FlyingStart
programme); **AAB**



OTHER SALARIED PROGRAMMES

Examples (with UCAS points needed & approx. starting salary if known):

- **KPMG:** 360 degree programme (Audit, Tax & Advisory); London, Bristol, Birmingham, Manchester, Leeds, Glasgow; **BCC £15,600-£18,000**
- **Marks & Spencer:** Trainee Management Scheme, **240pts £18K**
- **National Audit Office:** 5 year Accountancy programme, London; **£21K**
- **Rolls-Royce:** Accounting Technician; **A/B in relevant subject £12,700**
- **Tesco:** Trainee Management programme **240pts £18K**

WEBSITES FOR JOBS, EMPLOYER SCHEMES & APPRENTICESHIPS

<http://schoolleavers.milkround.com/>

gov.uk/apply-apprenticeship

allaboutschoollleavers.co.uk

notgoingtouni.com

schoolleaverjobs.co.uk

<http://www.thebigchoice.com/>



CHOOSING COURSES / UNIS

- search.ucas.com
- bestcourse4me.com
- unistats.direct.gov.uk
- university.which.co.uk

Plus

- ukcoursefinder.com
- universitycompare.org
- whatuni.com
- <http://www.aimhigherwm.ac.uk/index.php/events> for open days, taster events etc.



Remember

Undergraduate

Some Pros

Wide choice of unis and courses

Plenty of places available

Range of entry requirements

Student life / experience

Access to loans and bursaries for some

Can keep options open

Some Cons

Fees and living costs = high theoretical debt

Most student work PT to earn extra

Apprentice / Sponsored

Some Pros

No fees

Salary!

Built-in employer involvement

Good employment prospects

Some Cons

Limited choice / availability

Highly competitive (may improve over next 5 years)

No access to loans system

Need clear career in mind

Demanding job / study commitment

A very different experience



Any Questions?

www.aimhigherwm.ac.uk

 ***@aimhigherwm***

