

Education and the UK Skills gap

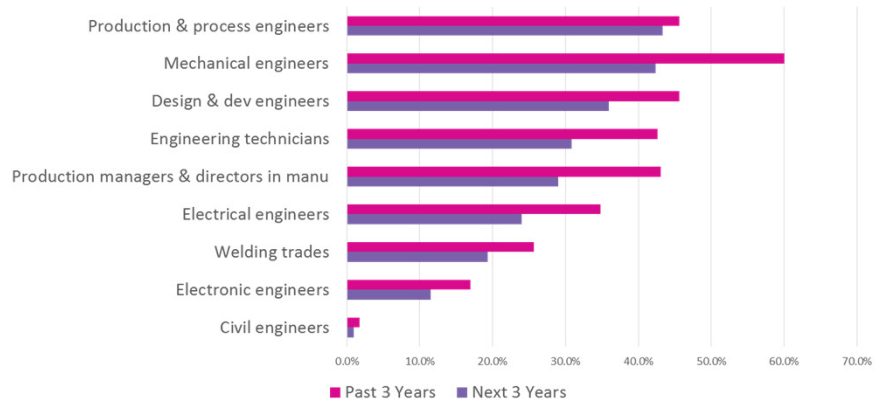
An Engineering Manufacturing perspective

Dame Judith Hackitt DBE FREng
Chair EEF

1st March 2017

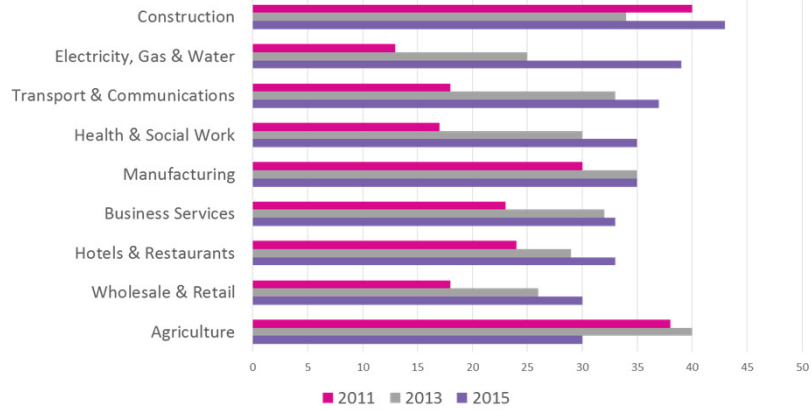


Manufacturers have continued plans to recruit engineering professionals % companies reporting they have recruited in the past 3 years and plan to recruit in the next 3 years.



EEF Skills Survey 2015-16

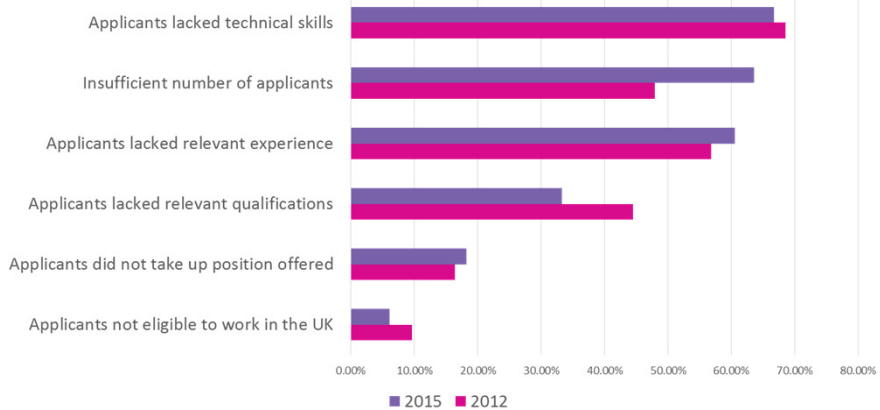
Numbers of hard-to-fill vacancies in manufacturing remains high, proportion of vacancies cited 'hard-to-fill' in 2011, 2013 and 2015



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UKCES Employer Skills Survey 2011, 2013 and 2015

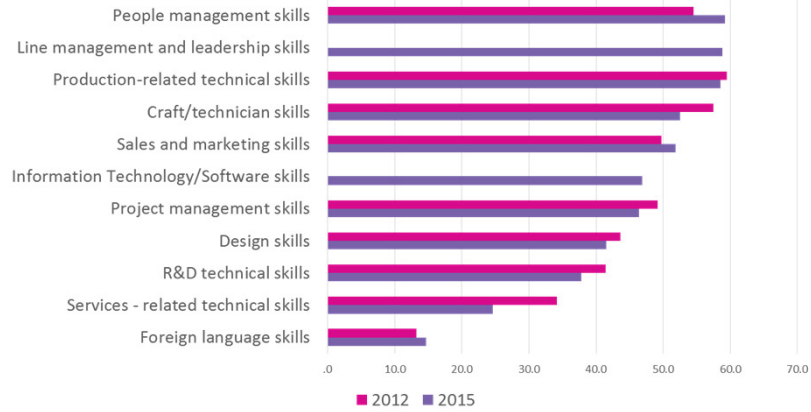
Quality and availability of applicants are driving recruitment problems, % companies reporting reasons for their recruitment difficulties



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EEF Skills Survey 2015-16

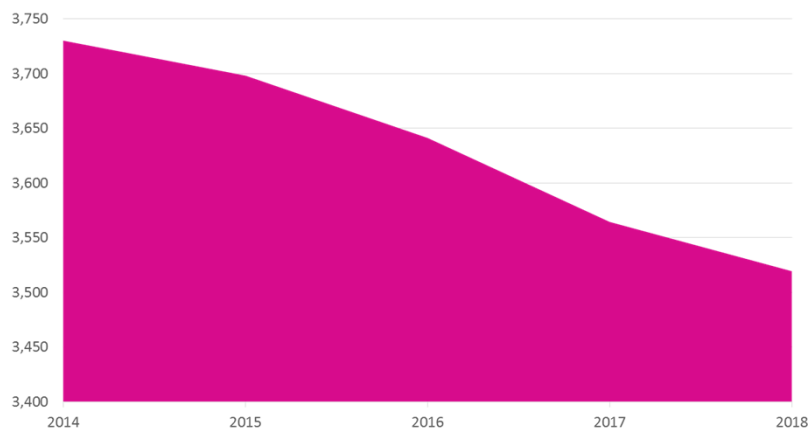
Demand for skills reflects manufacturers' growth priorities, %companies expecting demand for skills to increase in the next 3 years



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EEF Skills Survey 2015-16

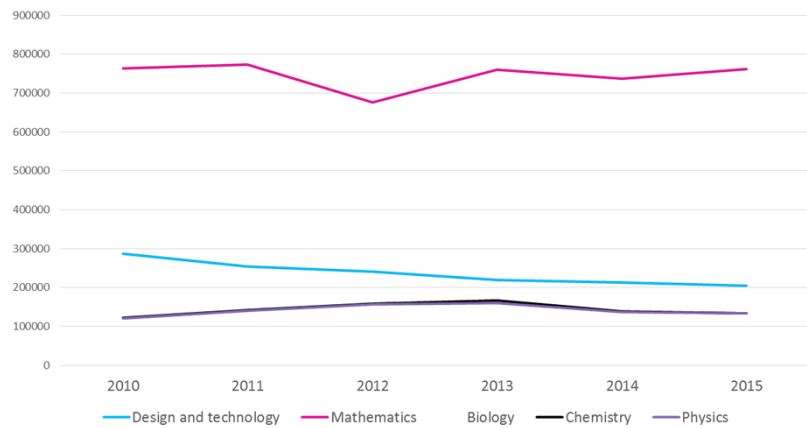
Young people will soon be in short supply % projections for UK population of 15-19 year olds



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ONS, 2014

Take up of STEM at GCSE has been slow, number of young people taking GCSEs by subject



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JCQ, National Results, GCSEs

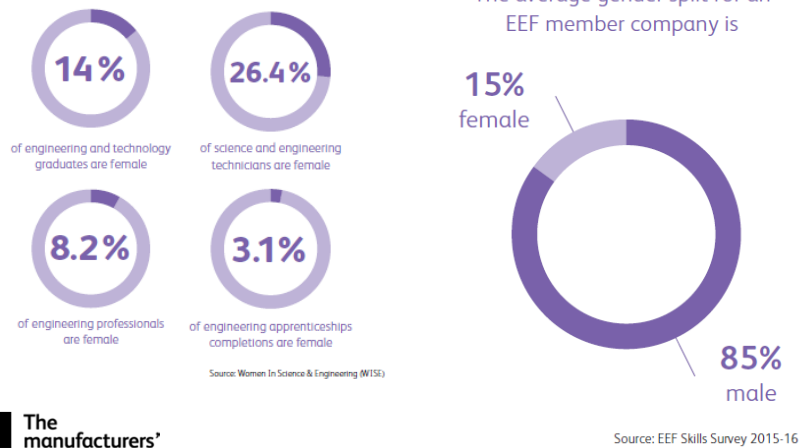
Number of young people choosing an apprenticeship is remarkably low, education, employment and training destinations after Key Stage 4 England, 2010-2011 to 2013-2014

Destinations	Destination year			
	2010/11	2011/12	2012/13	2013/14
Number of students	568,410	557,360	551,580	561,110
Overall sustained education, employment or training destination	89%	89%	91%	92%
Sustained education destination	86%	86%	88%	90%
Further education college	33%	33%	34%	34%
School sixth-form	37%	37%	38%	39%
Sixth-form college	12%	12%	12%	13%
Other education institutions	4%	4%	4%	4%
Other sustained destinations	3%	3%	2%	2%
Apprenticeships	5%	5%	5%	5%
Destination not sustained	9%	9%	8%	7%
Activity not capture	2%	2%	2%	1%

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National pupil database via DfE destinations of KS4 and KS5 Students 2016

Manufacturing has a stubbornly uneven gender balance



Conclusions

- We are long way from where we need to be
- Must build on our strengths
- Skills are a fundamental pillar of the Industrial strategy
- Brexit makes it even more challenging and urgent
- Urgent concerted and coordinated action is required.