

How can skill levels be raised to meet the needs of society and the economy?

Sir Mark Walport

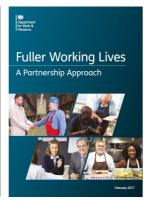
Chief Scientific Adviser to HM Government

The Foundation for Science and Technology, 01 March, 2017



Skills and Lifelong Learning







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Current challenges

- Low skills equilibrium
- Skills underutilisation
- 3. Poor work-readiness
- 4. Poor literacy and numeracy among young adults
- 5. Decline in adult learning





Low skills equilibrium

SKILLS GAPS AND SHORTAGES:

- High wage/high productivity jobs
- Low educational attainment &
 - · High proportion skilled employees needed
- In-migration of skilled workers

LOW SKILLS EQUILIBRIUM:

- · Low wage/low productivity jobs
- · Low educational attainment & skills
 - Employment rate cyclical
 - Skilled Out-migration

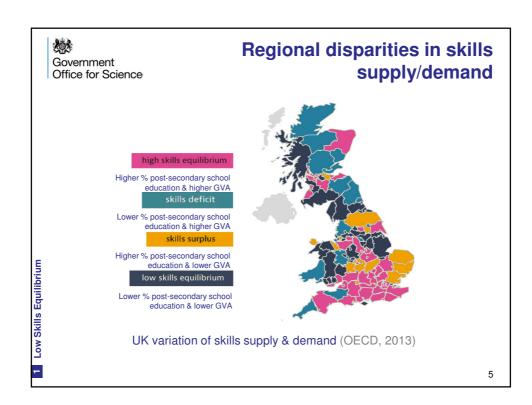
SUPPLY High

- **HIGH SKILLS EQUILIBRIUM:** • High wage/high productivity jobs
- · High educational attainment & skills
 - High employment
 - High proportion skilled jobs
 - · Balanced migration

SKILLS SURPLUS:

- · Low wages/low productivity jobs
- · High educational attainment and skills
- · Low share of high skilled jobs
- High unemployment rate (of skilled workers)
 - Out-migration

Characteristics of low and high demand and supply of skills (OECD, 2009)





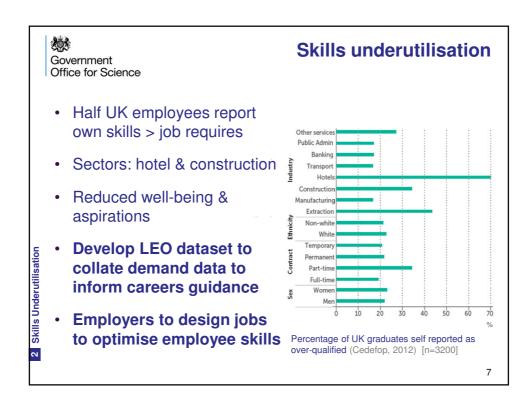
- Sectors: hospitality, retail & social care
- Improve training standards e.g. introduce professional certification
- Support firms to up-skill e.g. Scottish care homes
- Encouraging employer investment in higher skills e.g. Apprenticeship Levy

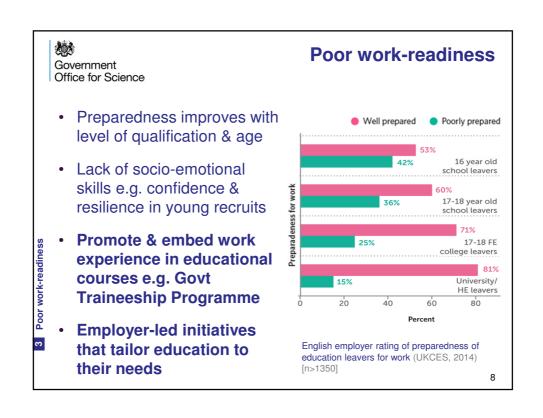
Low skills equilibrium

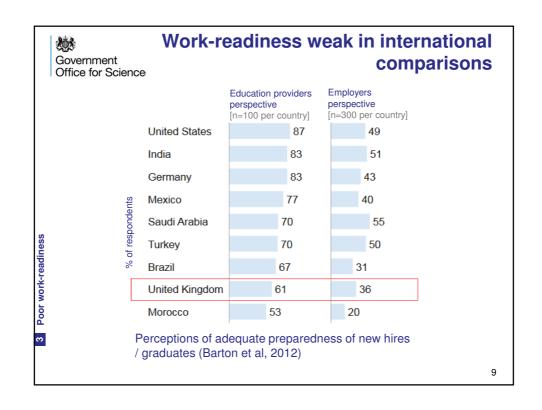
LOW SKILLS EQUILIBRIUM:

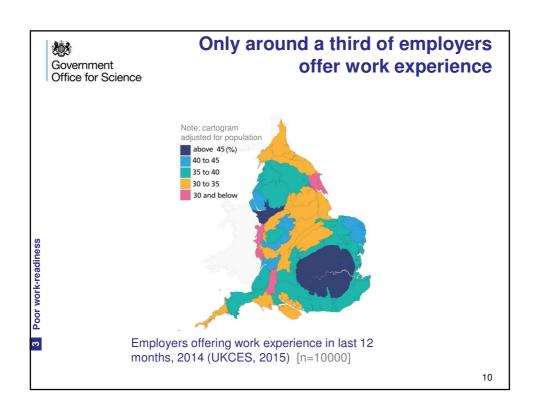
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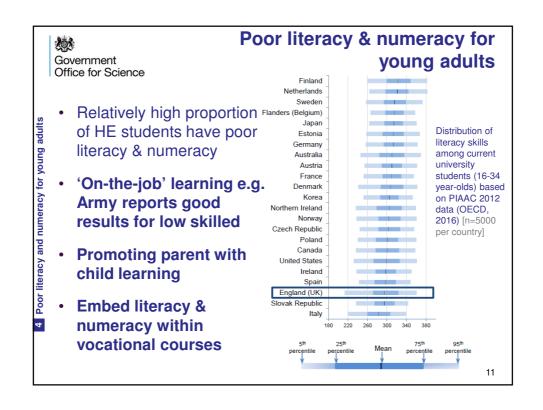
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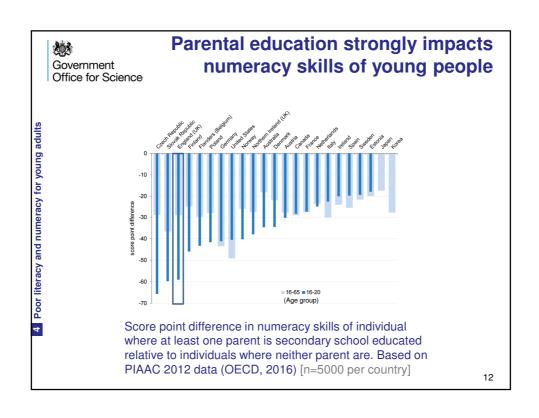


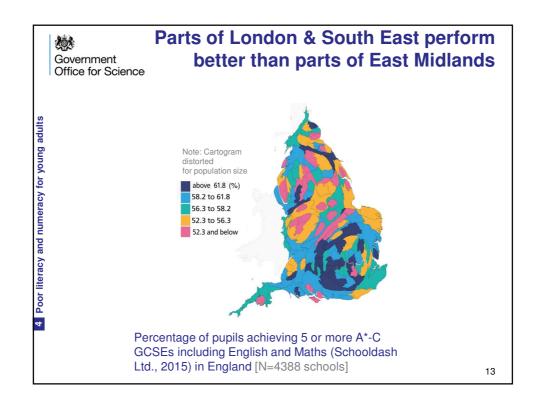


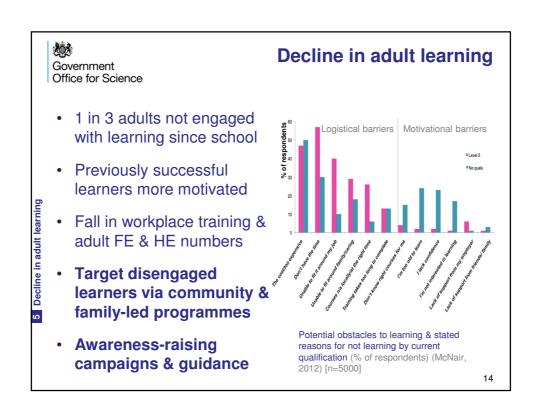


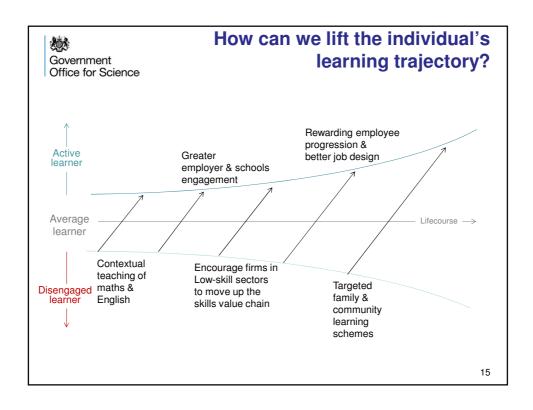


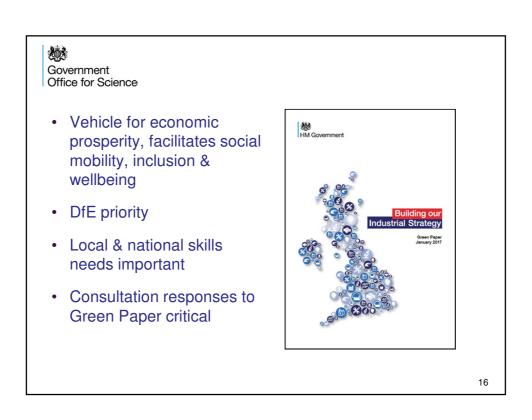














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