



Fusion Skills for the Future

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Disruptions...

- The influence of technology (especially AI)
- Rapid movement to self-employment
- Skills shortage in other industries as well as teaching and the collapse of 'middle skill' jobs
- Demographic changes in the population
- The increasingly differentiated society and school system



South China Morning Post: China wants to bring artificial intelligence to its classrooms to boost its education system



Georgia Tech: Meet Jill Watson: Georgia Tech's first AI teaching assistant



***40% of the workforce will
be freelancers and solopreneurs
by 2020***

Co-working Market Report Forecast 2015

*1 in 4 of the new jobs in London are
in the creative and cultural
industry...*

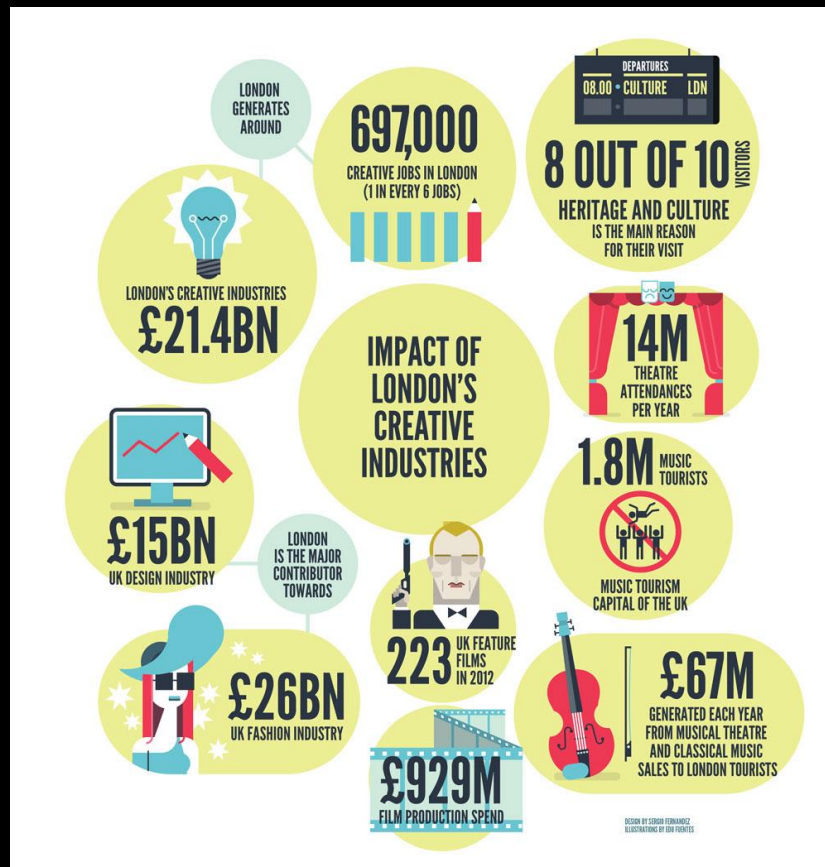
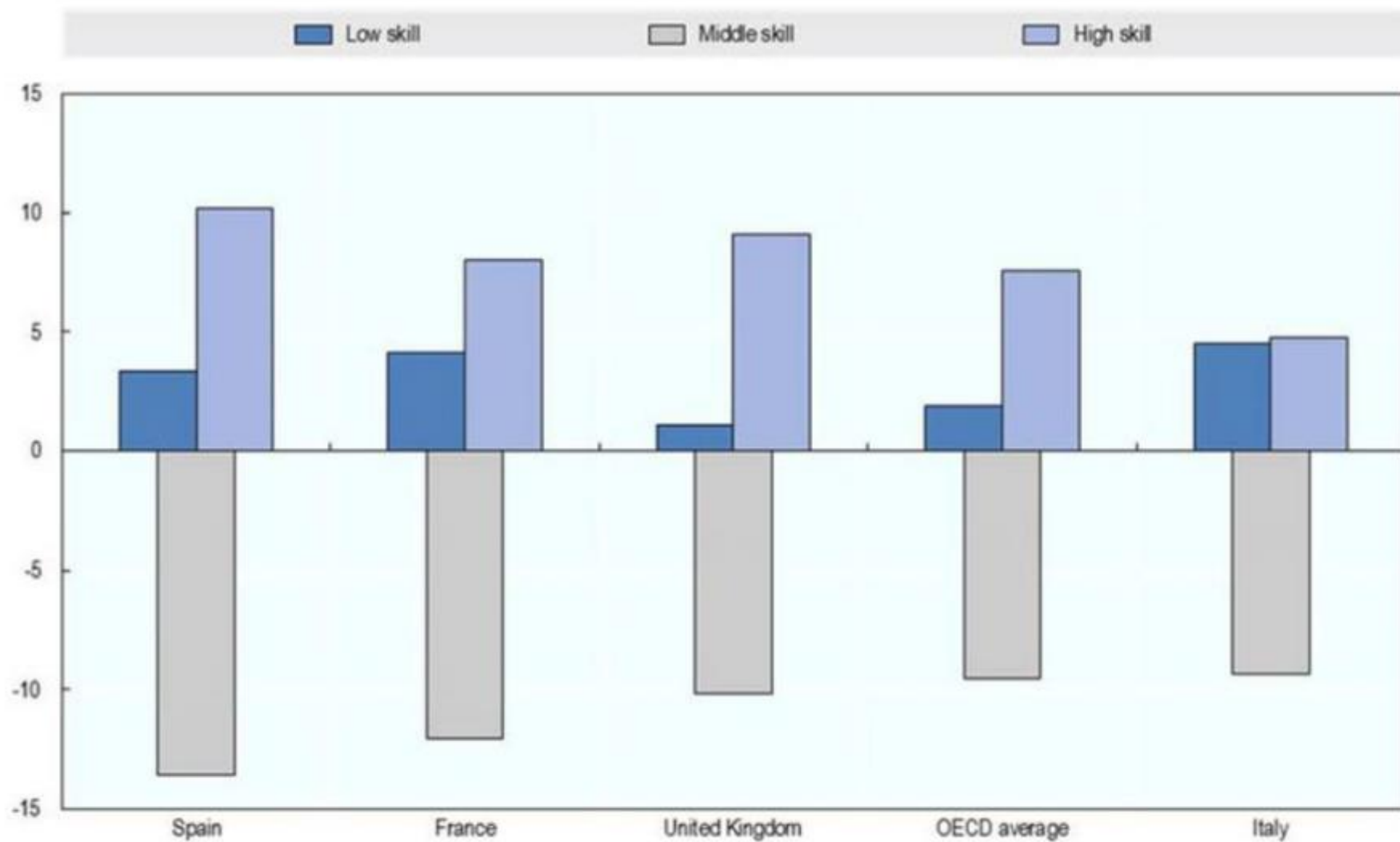


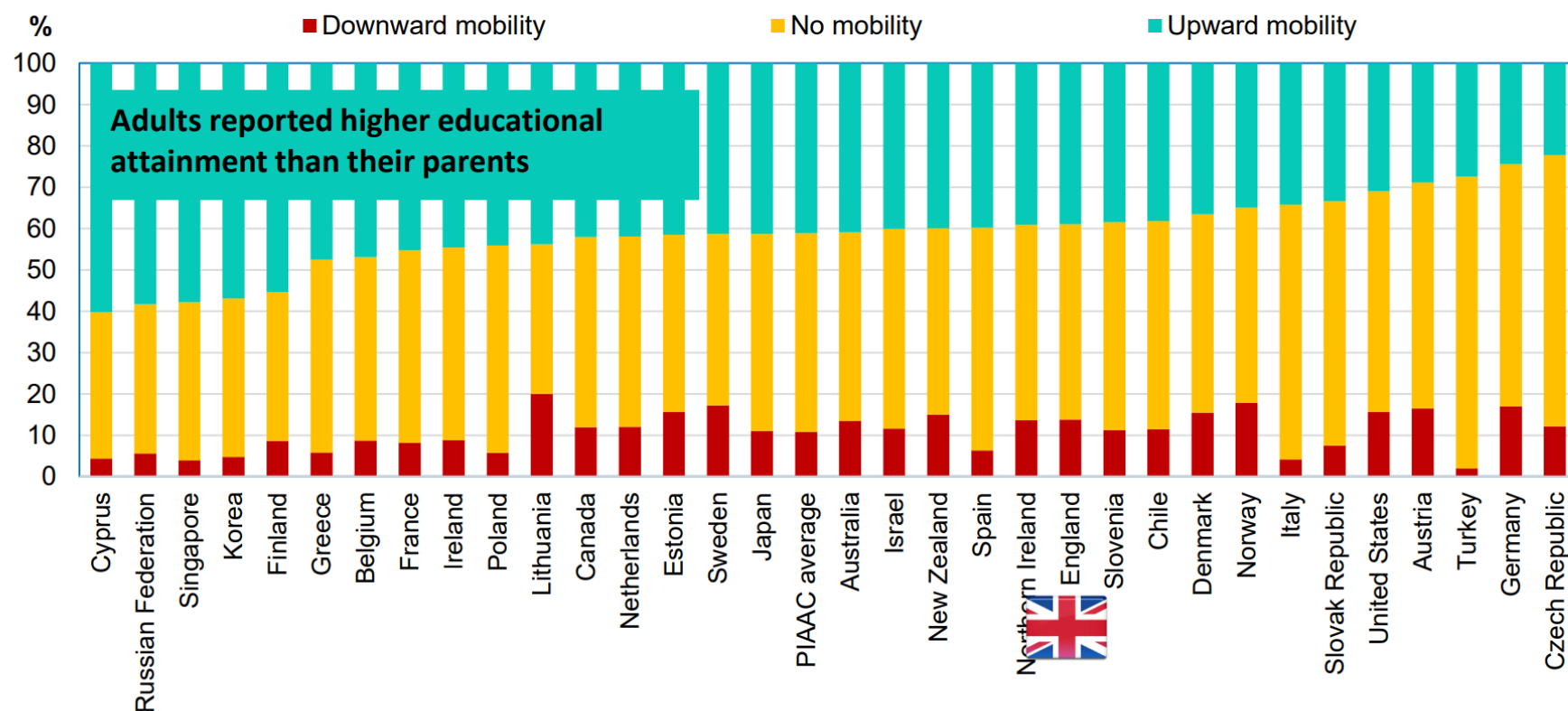
Figure 1.4. The labour market continues to polarise

Percentage point change in share of total employment, 1995 to 2015



Upward educational mobility varies across countries

Figure 2.12



Education World Forum

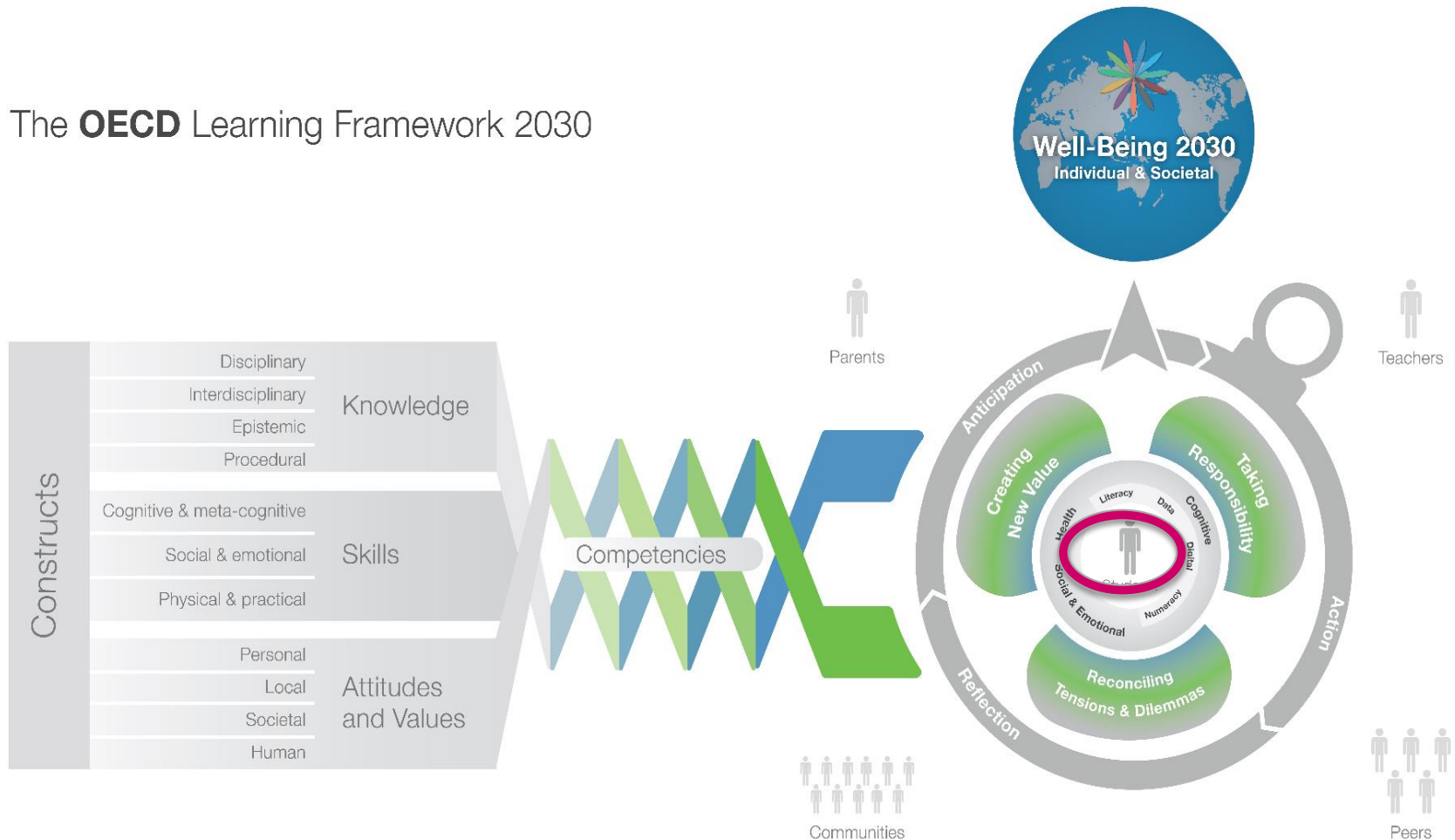
“The hard reality of soft skills is that this is actually important for what anybody can achieve in life, as well as for the success of our economies.” Education Secretary Damian Hinds





Competencies include: Knowledge, Skills, Attitudes & Values

The **OECD** Learning Framework 2030



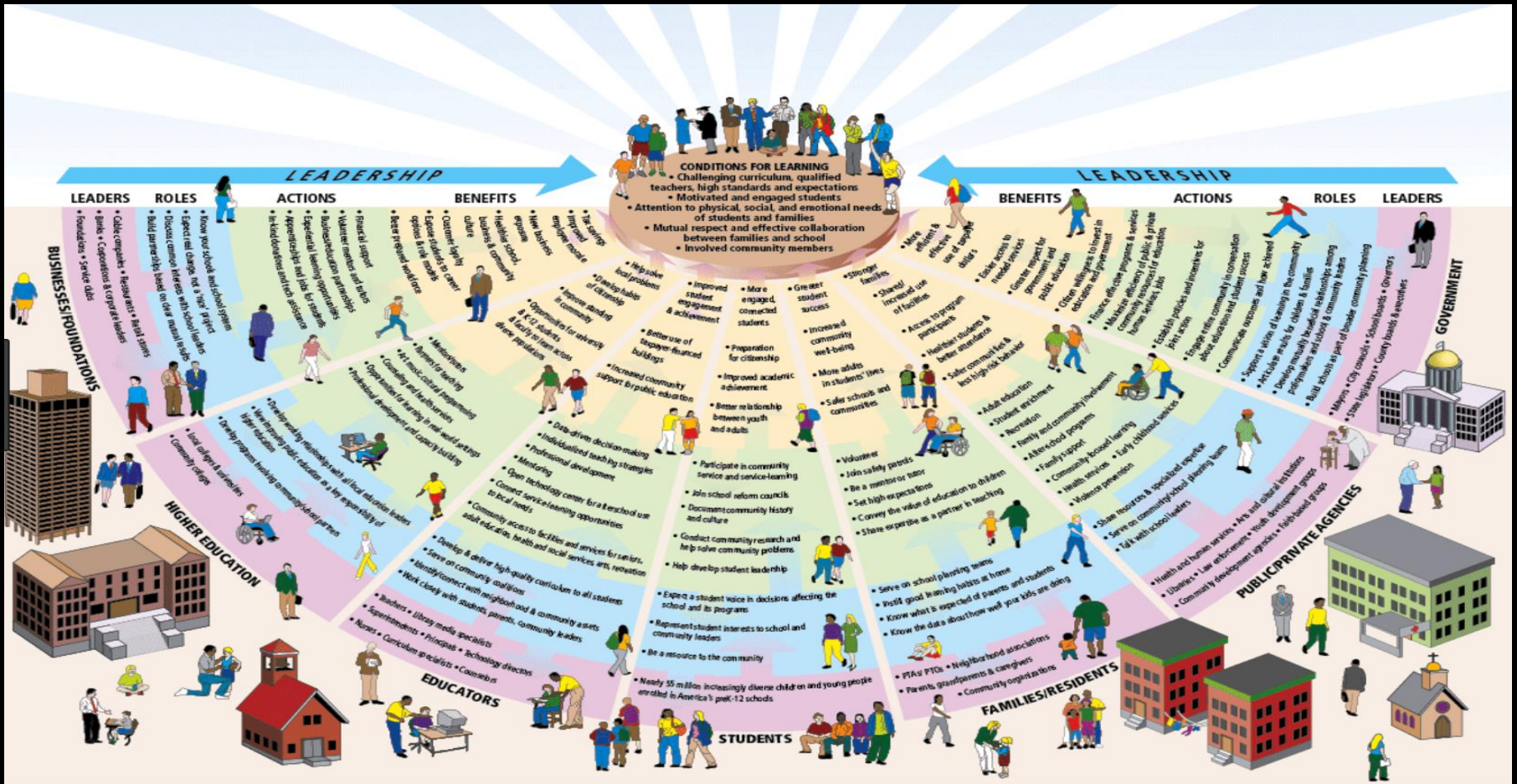
Fusion skills

1. Oral communication / presentation skills
2. Collaboration and teamwork
3. Initiative
4. Problem solving
5. Organisational skills (planning, time management, deadlines, prioritisation, multi-tasking)
6. Adaptability / flexibility
7. Written communication
8. Independent working / autonomy
9. Critical thinking
10. Resilience
11. Creativity
12. Analysis and evaluation skills

Whose responsibility it is to innovate in the realm of public education?

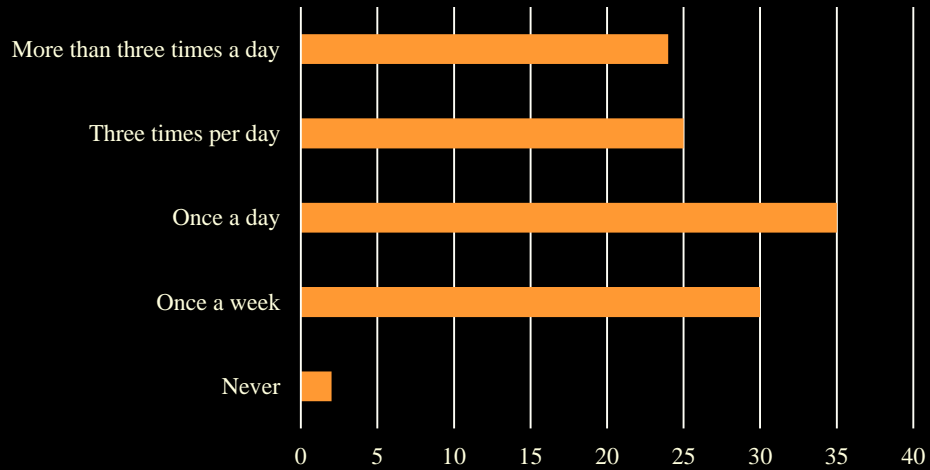


There are many stakeholders in education, students of course, but also the media, administrators, teachers, and parents. These groups all have some preconceived notions as to what school should be about.

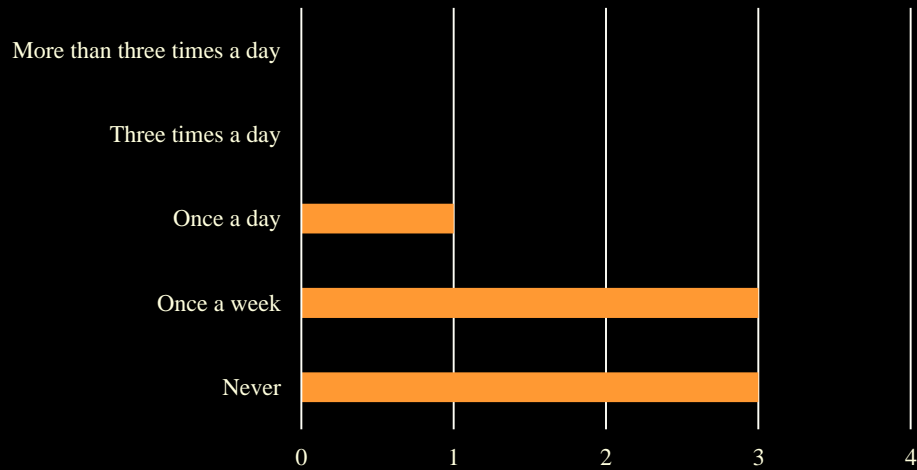




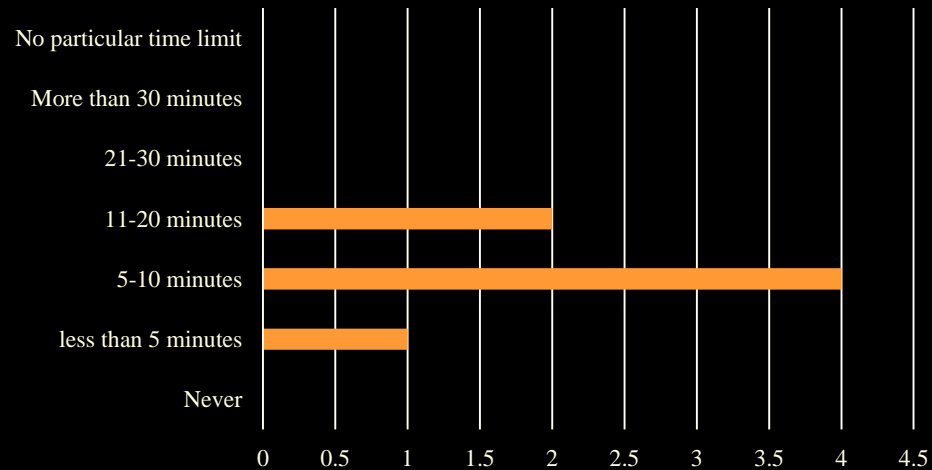
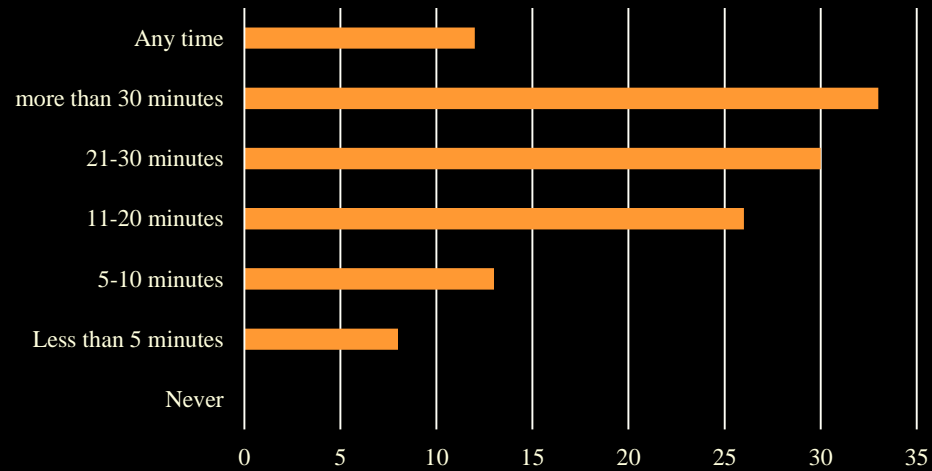




Frequency



Duration



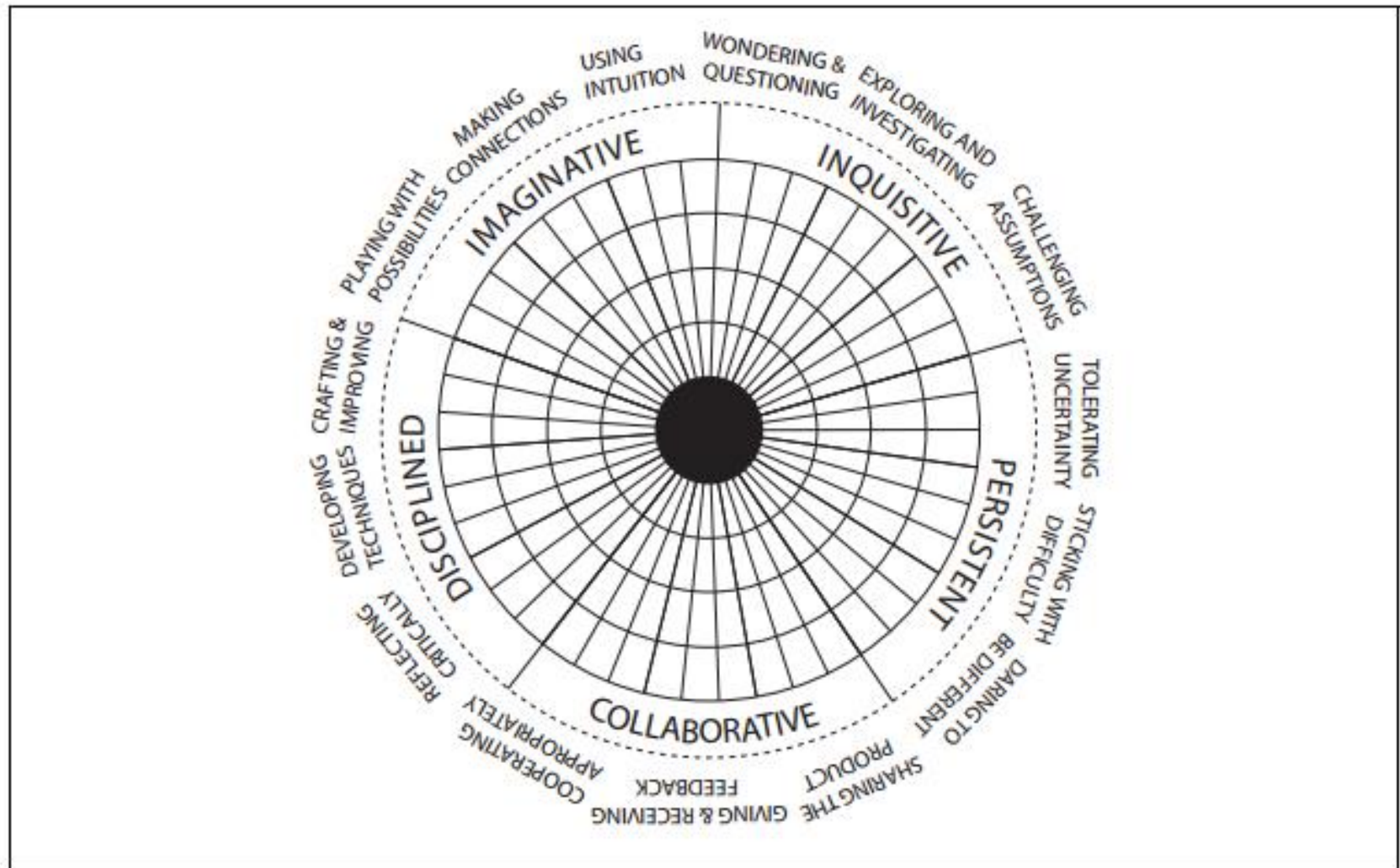


Figure 2.5 Definition of creativity

Source: Spencer et al. 2012

Fish go bad from the head down...



Future teachers need to be good at:

- Collaboration and teamwork
- Creativity and imagination
- Critical thinking and problem solving
- Flexibility and adaptability
- Global and cultural awareness
- Information and technology literacy
- Leadership
- Civic literacy and citizenship
- Oral and written communication skills
- Social responsibility and ethics
- Showing initiative and reasoning

