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

Adults reported higher educational attainment than their parents
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
Community  Jobs  Income
Education  Housing  Work-Life Balance
Environment  Civic Engagement
Health  Safety  Life Satisfaction
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

- More than three times a day
- Three times per day
- Once a day
- Once a week
- Never

Number of occurrences

- More than three times a day
- Three times per day
- Once a day
- Once a week
- Never
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