Who will teach in the Intelligence Society?

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The distance between the world chess champion and machines is greater than between Usain Bolt and a Ferrari.
AI expert alarmed after ChatGPT devises plan to 'escape': 'How do we contain it?'

Europol sounds alarm about criminal use of ChatGPT

Sees grim prospects. Europol has warned about the potential intelligence-powered chatbot ChatGPT attempts, disinformation and cyber-attacks, ranging from stock market manipulation to intellectual property theft. Since its release last year, Microsoft's ChatGPT has set...

Experts Issue Alarm As New Studies Prove ChatGPT And Google's Bard Can Be Easily Led Astray

Alarmed by A.I. Chatbots, Universities Start Revamping How They Teach

With the rise of the popular new chatbot ChatGPT, colleges are restructuring some courses and taking preventive measures.

The AI apocalypse is coming! Personally, I welcome our new robot overlords

The 'godfather of AI' has said AI will surpass human intelligence. Ryan Coogler's new film 'Tenet' is a masterclass in how AI will redefine humanity. The AI era is here, and the future belongs to those who adapt.
The paradox of mechanised education

We are 20th century teachers, in 19th century classrooms, with 21st century students.
The Learning Cube
The learning cube, S Barro
Journal of Innovation Management 3 (1), 9-13, 2015
The learning cube, S Barro
Journal of Innovation Management 3 (1), 9-13, 2015
The Learning Cube

Which face do you prefer?
The Learning Cube  Which face do you prefer?
What are employers demanding? 

Source: CEO Survey Global Talent (pwc.com)
Learning society

We need to learn at least as fast as the environment is changing

José Antonio Marina
Intelligence society

Natural & Artificial
AI in education
AI literacy in K-12: a systematic literature review

Lorena Casal-Otero¹, Alejandro Catala², Carmen Fernández-Morante², Maria Taboada², Beatriz Cebreiro¹ and Senén Barro³

Fig. 1 Annual scientific production: number of papers by year.

Fig. 5 Country participation: number of papers by country
The use of AI in education: it goes on and on

<table>
<thead>
<tr>
<th>Category of actions/services</th>
<th>Specific actions/services</th>
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</thead>
<tbody>
<tr>
<td>Management</td>
<td>Admissions, enrolment, information (virtual assistants), scholarship allocation, assignment of teaching resources, activity planning...</td>
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<tr>
<td>Personalized support</td>
<td>Financial advice, visa services, accommodation, career guidance...</td>
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<tr>
<td>Anticipation</td>
<td>Predictive performance models, dropout prediction, detection of psychological issues...</td>
</tr>
<tr>
<td>Assisted learning</td>
<td>Tutoring, supervision of discussion forums...</td>
</tr>
<tr>
<td>Curriculum design</td>
<td>Subscription models, curriculum pathways...</td>
</tr>
<tr>
<td>Educational environments</td>
<td>Immersive classrooms, simulators...</td>
</tr>
<tr>
<td>Technological tools</td>
<td>Translators, search engines, conversational language models (ChatGPT)...</td>
</tr>
<tr>
<td>Teaching and learning process analytics</td>
<td>Student categorization, curriculum design and program organization and delivery (for the institution/organization)...</td>
</tr>
<tr>
<td>Surveillance</td>
<td>Attendance monitoring, attention monitoring in classes, campus surveillance, monitoring of student's mood...</td>
</tr>
<tr>
<td>Personalized learning</td>
<td>Content suggestions, personalized assistants for learning...</td>
</tr>
</tbody>
</table>
PAL

Personal Assistants for Learning
Is the teacher irreplaceable?

Any [natural] intelligence which performs an activity that can be improved by being performed by another [artificial] intelligence is liable to be replaced by that one.

*Principle of substitution based on progress (Senén Barro)*
The best education will continue to be in the hands of the best teachers