

TRAIN YOUR BRAIN FOR AI

Education is key. Learn more about AI and be cognizant of its virtues, as well as its limitations, so that the overall impact will be net positive for all.

COMPUTATIONAL THINKING

Not to be confused with computer skills. Being glued to your phone is not the same as knowing how it works inside-out and how it can be leveraged as a powerful tool for change. Computational thinking involves developing five core competencies that every person in the 21st century should have.

01. ALGORITHMIC THINKING

Learning how to use machines to solve problems.

02. PROGRAMMING

Learning the language of AI, in the same way that we learn English as a business or science language.

03. DATA

Beyond possessing it, understanding its implications.

04. NETWORKS

Appreciating network architectures and how they interconnect and interact to make better decisions and generate feedback loops.

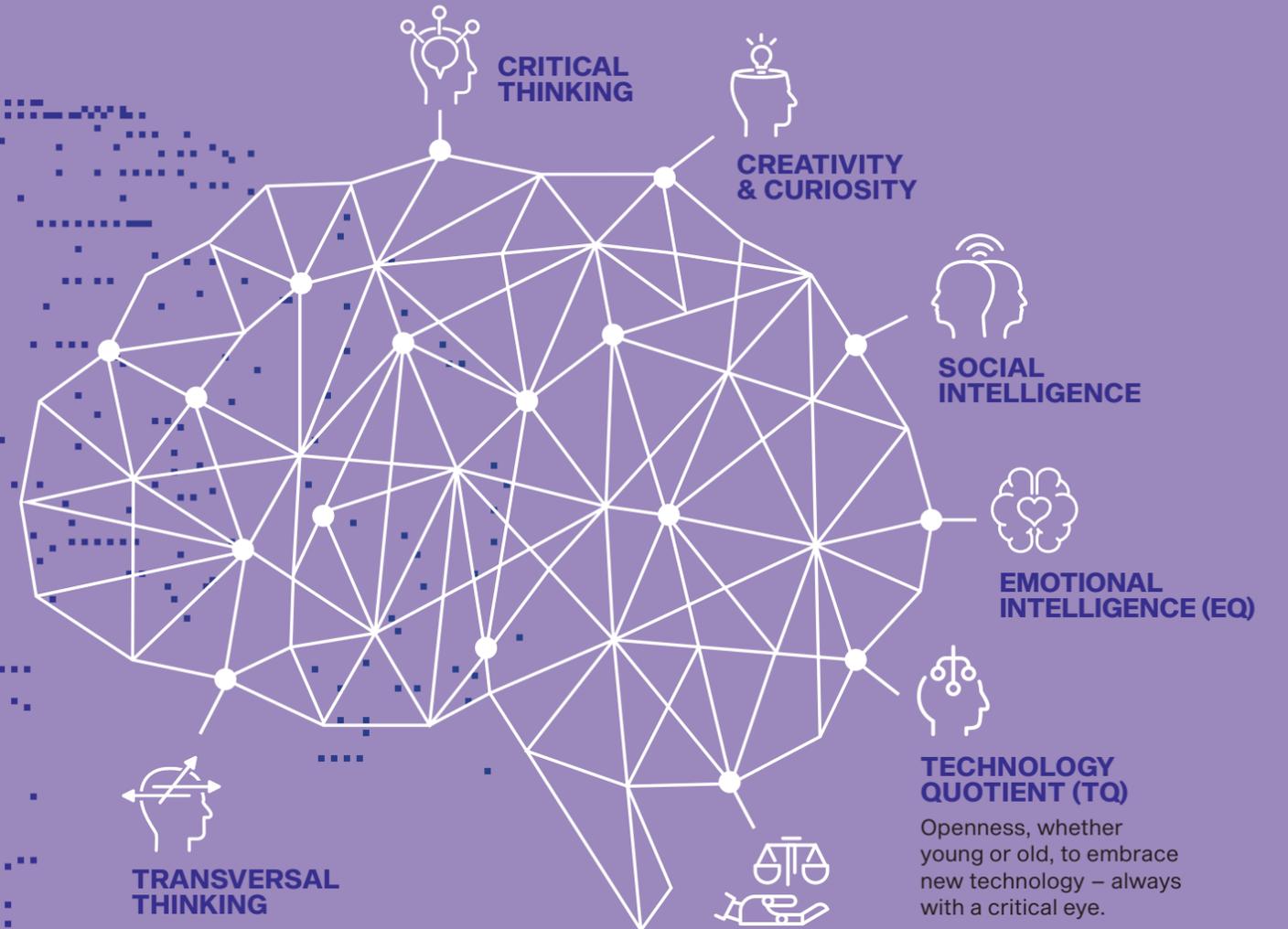
05. HARDWARE

Knowing about the physical substrate on which AI depends.



KEY HUMAN ABILITIES

As important as computational thinking, we need to develop and nurture **key human abilities** to organize ourselves, work together, collaborate, cooperate, coexist and agree to disagree, which distinguish us from other species and which we risk losing the more we let tech mediate our interactions.



TRANSVERSAL THINKING

Because AI is going to have a 360-degree impact, we need 360-degree thinkers able to span diverse disciplines – so, not just more programmers, technologists and data scientists steeped in STEM subjects, but more philosophers, anthropologists, behavioral psychologists, ethicists and various other skill sets able to see the big picture and make vital links between disparate fields.

ETHICAL VISION

Carefully think through the ethics of AI and decide the guiding principles, especially with regard to people. Setting up a dedicated AI ethics board can help, especially for governing your business decisions and choice of partners allied with your principles and purpose. AI ethics can build reputational and competitive advantages.

SOURCE: Based on comments by Nuria Oliver, Dr. Mathias Goyen and Juergen Mueller delivered during IESE's Global Alumni Reunion in Munich on October 7, 2022.