

# SKILLS WE WILL NEED IN 2030

A LIST OF SKILLS THAT MIGHT BE IN DEMAND IN 7 YEARS TIME

All of the information here has been adapted from the OECD and inspired by Kevin Kelly.

## COGNITIVE AND META-COGNITIVE SKILLS

Cognitive skills involve the mental processes of acquiring, processing, and applying knowledge.

### CRITICAL THINKING

We need to be comfortable to be able to question others about their and our own decisions, to avoid implicit bias. Check out Robert Ennis' 1989 paper on critical thinking.

### CREATIVE THINKING

Approaching problems from a innovative point of view and change how we see things. See David Kelley & IDEO, also check out Rick Rubin's book, The Creative Act.

### SELF DIRECTED LEARNING

Choose your own learning path to pursue your passions, but also to fill the gaps that exist in your environment. Read Cal Newport's book So Good They Can't Ignore You.

### SELF REGULATION

Ditch your dopamine addiction, and avoid becoming too dependent on technology. Discover your boundaries and stay within them, most of the time. Read Thinking Fast & Slow by Daniel Kahneman.

### STRATEGIC & SYSTEMS THINKING

Think beyond today when tackling large issues. How are your designs sustainable? Consider who and what might be impacted by them? Compass Education has a huge selection of learning material.

## SOCIAL AND EMOTIONAL SKILLS

The ability to understand, manage, and navigate our emotions and relationships with others.

### EMPATHY

To be able to see something from someone else's perspective is important if we are to solve the increasingly complex problems we face. Check out Brené Brown's work.

### SELF-EFFICACY

Being determined to succeed and choosing your own goals is vital. This includes cultivating a growth mindset and being prepared to try out new things. Read Carol Dweck's book Mindset.

### RESPONSIBILITY

We need to be responsible for our actions, and to learn from our mistakes. We need to consider how our actions might impact our communities both locally and globally.

### COLLABORATION

Avoid contrived collegiality and seek opportunities to work interdependently to achieve greatness. Read Judith Little's 1990 paper on collaboration and its four different types.

### RESILIENCE

It is inevitable that we will be knocked down, and that things may not turn out as we expected them to. How we get back up again, may determine the measure of our success. Read the instrumental book Grit by Carol Dweck.

## PRACTICAL AND TECHNOLOGY SKILLS

Most of these skills are in flux given the recent changes due to artificial intelligence.

### HANDS ON ACTIVITIES

Including visual arts and tasks in which people create and build. Related closely to STEAM based activities.

### DIGITAL LITERACY

The ability to navigate the digital landscape, including deciphering which information contains biases and has been artificially created. Securing digital identities and securing private information.

### CODING

Coding is the skill of writing and understanding computer programming languages. It enables us to understand and shape the technologies that affect our world.

### AUGMENTED & VIRTUAL REALITY

Proficiency in using AR/VR tools and platforms will be important for tasks such as remote collaboration, immersive learning experiences, and virtual simulations for training in inhospitable environments.

### ARTIFICIAL INTELLIGENCE

We should have a fundamental understanding of what AI is, how it works, and its ethical implications. This includes knowledge of key AI concepts, such as machine learning, natural language processing and large language models.