

Let's re-imagine STEM

SOPHISTICATED PROBLEM SOLVERS

- Critical and creative thinking
- Computational thinking
- Inquiry skills
- Intellectual curiosity
- Systems thinking
- Logical reasoning
- Critical analysis
- Analytical thinking
- Data driven decision making
- Iterative process

EDUCATED DIGITAL NATIVES

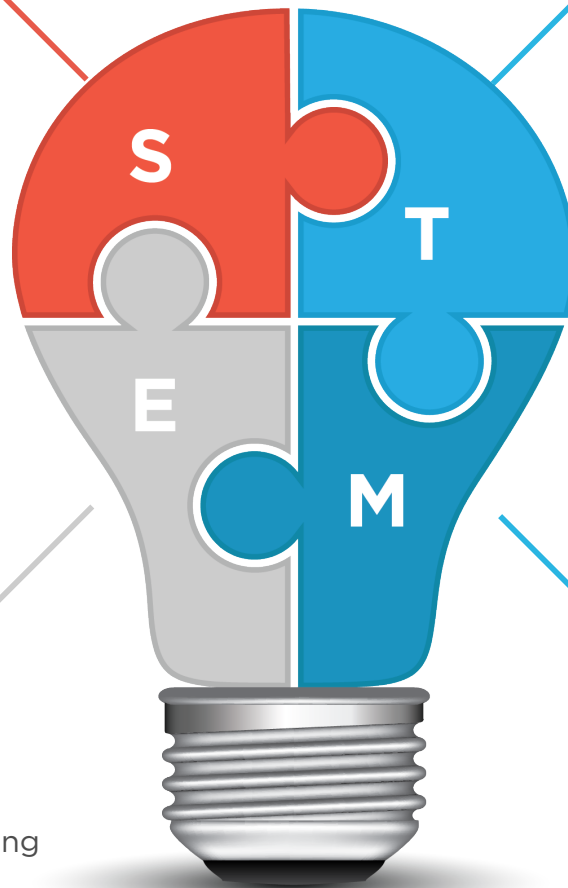
- ICT capability
- Ethical understanding
- Intercultural understanding
- Digital literacy
- Digital intelligence
- Digital stack
- Digital citizenship
- AR, VR, MR
- IOT, ML, AI, Blockchain
- 4th industrial revolution

TALENTED CREATIVE THINKERS

- Critical and creative thinking
- Enterprise skills
- Innovation
- Design thinking

MINDFUL COLLABORATORS

- Personal and social capability
- Social emotional learning
- Student led learning
- Connected learners
- Communicators



Let's start with the outcome we want to achieve - to develop a digitally enabled workforce. The teaching of '21st Century Skills' is a buzz term out there, but let's keep it simple. STEM is four letters, four areas of skills that we should be focused on across our schools. If we focused on four cross curricular outcomes for STEM (with all the buzzwords underneath each), this is what we believe it would look like.