

Why the focus on STEM education?

“Significant changes in Victoria’s economy mean there is a greater need for STEM capabilities than ever before. Our employers are increasingly looking for workers who are creative problem solvers, innovative and critical thinkers, and able to use new technologies”.

*VicSTEM Education Plan
Department of Education and Training
Victoria*

Shifting 1% of workforce into STEM roles would add \$57.4 billion to GDP over 20 years

75% of the fastest growing occupations require STEM

Number of Year 12 students studying STEM subjects is declining

Price-Waterhouse (April, 2015). *A smart move: Future proofing Australia's workforce by growing skills in science, technology, engineering and maths (STEM)*

training
thinking
creativity
situation
solution
communication
collaboration
Design
Digital
Science
Technology
Mathematics
skills
content
engagement
innovation
opportunity
learning
economy
inquiry
global
critical
problem
need
future
communication

Victorian Curriculum and Assessment Authority



Victorian Curriculum

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<http://victoriancurriculum.vcaa.vic.edu.au/>