

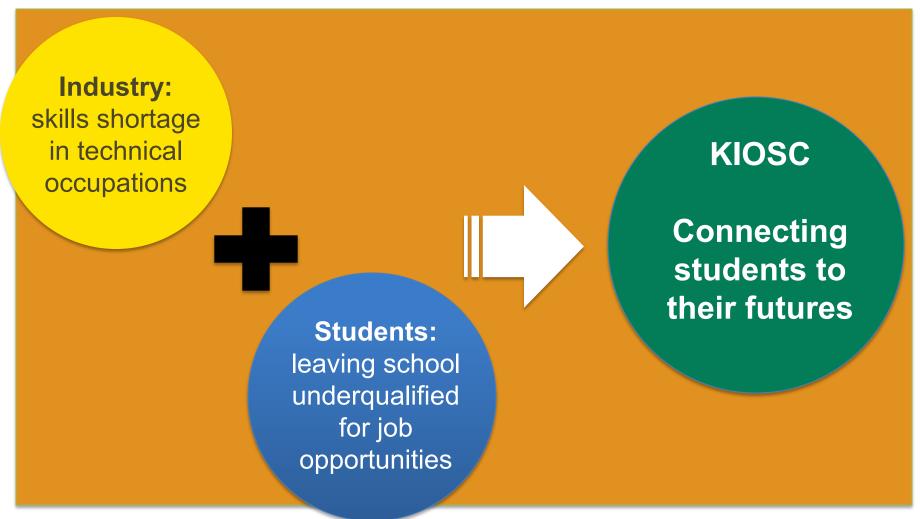
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Knox nnovation Opportunity Sustainability Centre





Why was KIOSC established?







What do students do at KIOSC?

Innovation

- Apply new technologies
- Learn about emerging technologies
- Engage in authentic problem-solving and design activities

Opportunity

- Develop employability skills
- Learn about careers, pathways, qualifications
- Have opportunities to work in industry or on industry problems

Sustainability

- Explore renewable energy
- Learn responsible use of resources
- Become aware of global issues





How does this happen?

Knox Secondary Schools and Swinburne University have pooled resources to provide industry standard equipment which individual schools couldn't possibly afford. (US\$1.8million +)





Equipment chosen to match local needs

In our case:

- advanced manufacturing
- electrical services
- laboratory skills
- design and printing
- health services.







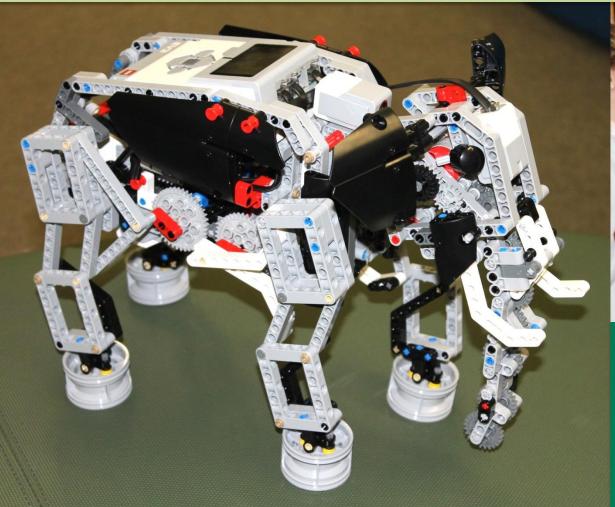














US\$60,000 robotics equipment, including LEGO Mindstorms, VEX, NAO humanoid robots...















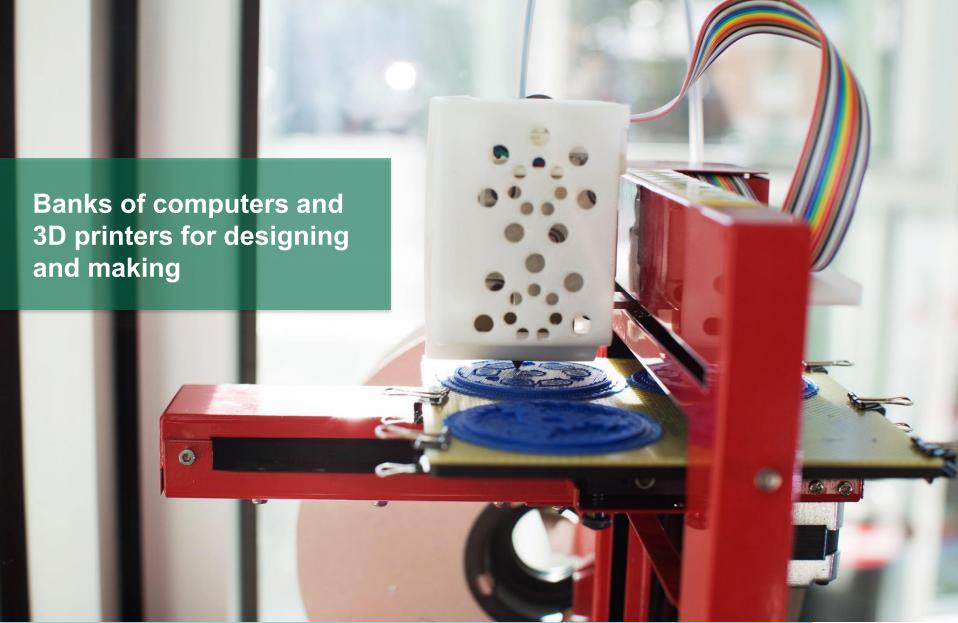
















What makes KIOSC different?

- All students have opportunity to work with latest equipment in modern environment
- They attend programs 2-3 times each year (8000-10000 student visits each year)
- Attending KIOSC programs is built into school curriculum





What is the outcome?

- Improvement in student knowledge, skills and aspirations towards qualifications and careers in growth and new industries
- Greater interest from industry in supporting education



