

Invent to Learn Masterclass

Lead by Dr Gary Stager - Global leader of the 'maker movement' and co-author of "the bible of the maker movement in schools"

Wednesday 24 October from 9am – 3pm
Centre for Innovation and Learning @ Chisholm High
108 Hambidge Cres, Chisholm ACT 2905
Cost: \$250 (*catering included*)



Join colleagues for a day of hard fun and problem solving — where computing meets tinkering, engineering, and design. The workshop begins with the case for project-based learning, making, tinkering, and engineering. Next, discuss strategies for effective prompt-setting. Examples of how to engage children in complex problem solving using new game-changing technologies will be demonstrated, along with identifying lessons for your own classroom practice. Powerful ideas from the Reggio Emilia Approach, breakthroughs in science education, progressive education, and the global maker movement combine to create rich learning experiences.

You will learn:

- How new tools and technology can reinvigorate Project-Based Learning
- Best classroom practices for integrating maker technology
- How to plan engaging projects based on the TMI design model
- How to choose the technologies with the maximum learning impact
- How to make the case for making, tinkering, and engineering



Participants will have the chance to tinker with a range of exciting new low- and high-tech construction materials that can really amplify the potential of your students. Specific contents will be addressed for primary and secondary audiences. Fabrication with cardboard and found materials, electronic circuits, wearable computing, microcontrollers, robotics, conductive paint, drones and computer programming are all on the menu.

Attendee's should bring a laptop and plenty of imagination. We'll supply the rest (craft materials, art supplies, construction elements). Invention is the mother of learning! This is Gary's first workshop in the ACT in nearly a decade and is suitable for all schools, grades, and subject areas.

To enrol complete the following form:

<https://goo.gl/forms/GKHDacsbqTFIEZ992>

Any questions should be directed to peter.kent@ed.act.edu.au

Hosted by the Lanyon Cluster of Schools