

THE MAKER MOVEMENT

WHAT IS THE MAKER MOVEMENT?

“The growing number of people who are engaged in the creation of artifacts in their daily lives.” – Halverson & Sheridan

HOW IS MAKING DIFFERENT THAN TINKERING?

- Increase of digital desktop tools
- Culture of sharing ideas
- Online collaboration between people

HOW IS MAKING IMPACTING EDUCATION?

“Educators can design classrooms as makerspaces by focusing on student interest and by understanding learning as integrated and connected through projects rather than as an isolated set of skills.” (Halverson & Sheridan, 2014).

HOW DOES THE MAKER PROCESS WORK?

Mark Hatch, one of the most successful makers, outlines maker’s activities and mind-sets organized around nine key ideas in his book *The Maker Manifesto*.

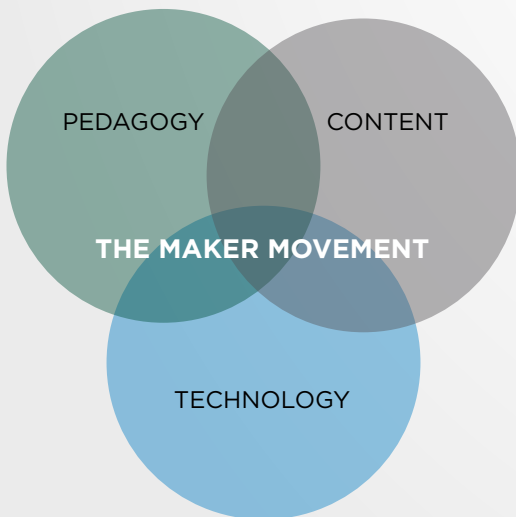
- MAKE — EVERYONE HAS THE ABILITY TO MAKE SOMETHING NEW
- SHARE — SHARE YOUR MAKER IDEAS WITH OTHERS
- GIVE — THE ACT OF MAKING ALLOWS YOU TO SHARE YOUR THINKING
- LEARN — MAKING ALLOWS YOU TO LEARN NEW TECHNIQUES
- TOOL UP — DISCOVER NEW DIGITAL TOOLS FOR YOUR PRODUCT
- PLAY — SEE HOW IT WORKS AND HOW OTHERS RESPOND TO IT
- PARTICIPATE — JOIN YOUR FELLOW MAKERS, PLAY WITH THEIR IDEAS
- SUPPORT — WHO CAN HELP YOU IMPLEMENT YOUR PRODUCT
- CHANGE — EMBRACE THE MAKER PROCESS



LINK TO TPACK

TPACK (Technological Pedagogical Content Knowledge) seeks to integrate technology into educational content, rather than separating it. This learning model can be directly applied to the maker movement, which relies heavily on technology to create new products (i.e. tool up).

With so many (some of them free) digital tools available to students, teachers, and working professionals everyone can be a **maker and implement technology in a way that is beneficial to learning!**



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Resource:

Halverson, E.R. & Sheridan, K. (2014). The maker movement in education. *Harvard Educational Review*, 84(4), 495-465.
Hatch, M. (2013). *The maker movement manifesto: rules for innovation in the new world of crafters, hackers, and tinkerers*. McGraw Hill Professional.