

MAKER SPACES

COURSE TITLE:

Makerspaces: An Evolution in the Making (AIAABC10322)

COURSE DESCRIPTION:

The 'DIY' and maker movement found its grassroots within the public population and has started to make its way back to education in the form of makerspaces. School makerspaces have the capacity to transform the way we think about education, understanding that learning happens best when learners construct their own understanding through a process of creating things to share with others. Makerspaces come in all shapes and sizes but they all serve as a gathering space where students are capable of connecting with each other to work on real and personally meaningful projects, informed by teachers as facilitators within a student-centered experience. In this course, we identify elements of a makerspace, share what students can do in a makerspace, and how making can be incorporated at any grade level. Learn the key steps involved in creating a maker program and the resources needed for designing engaging and flexible physical spaces for making.

LEARNING OBJECTIVES:

- » Understand how 'DIY' and the maker culture have impacted the school makerspace movement.
- » Identify elements of a makerspace, what students can do in school makerspaces, and how making can be incorporated at all grade levels.
- » Learn the steps involved in creating a maker program and recognize the resources needed for designing engaging, flexible, and learner-centered makerspaces.

COURSE CREDIT:

- » 1 LU

CEU TYPE:

- » Project Planning & Design

