



## TECHNOLOGY

# MyDesign®

## OVERVIEW

The education market is rapidly undergoing transformation from a brick-and-mortar classroom to a hybrid model of classroom and distance learning instruction. Since the first Massively Open Online Course (MOOC) in 1969, a variety of technologies have been developed to support curriculum and instruction. Concurrently, policies have been developed to incorporate design into K-12 public education. Maryland is joining 25 Next Generation Science Standards (NGSS) Lead Partner States in the monumental task of training thousands of Science, Technology, Engineering, and Mathematics (STEM) teachers to raise design to the same academic standing as inquiry-based science in the K-12 classrooms.

Researchers at the University of Maryland have created MyDesign®, a web-based system that integrates 3rd party mobile learning applications within a unique learning management and assessment system that includes e-portfolios. MyDesign® can personalize and guide users through the design process within and across K-12 communities (disciplines, classrooms, schools, districts, and states). Teachers can develop and track multiple designs and maintain unique project files for assigned design projects. Designs can be developed and documented in both a formal classroom setting and an informal out-of-school activity such as a robotics competition.

## APPLICATIONS

- e-learning and e-professional development multi-sided business unit

## ADVANTAGES

- simpler, more convenient, more affordable learning and teaching tool for design
- easily accessible library of third-party apps

## CONTACT INFO

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## Additional Information

## INSTITUTION

University of Maryland, College Park

## CATEGORIES

- Software + Algorithm
- Education/Training/Multimedia

## EXTERNAL RESOURCES

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