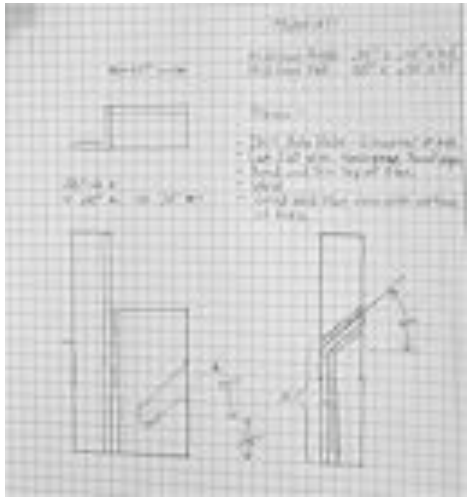
What is the MIT D-Lab?

D-Lab is a program at the Massachusetts Institute of Technology (MIT) that fosters the development of appropriate technologies and sustainable solutions within the framework of international development. D-Lab's mission is to improve the quality of life through the creation and implementation of low cost technologies.



D-Lab's portfolio of technologies also serves as an educational vehicle that allows students to gain an optimistic and practical understanding of their roles in solving real-world problems.

The Advent School
50 years

LearningBOSTON 2012

Exploring Engineering and Creative Design in Collaboration with the MIT D-Lab

Toy Making: A collaboration with the MIT D-Lab

For students entering Kindergarten – Second Grade

Everyday, children around the world use their imaginations and available materials to create their own toys. Through collaboration with MIT D-Lab, students will investigate toys from developing countries as well as gain an understanding of the design process of toys familiar to them. As we use, disassemble, and examine various toys, we will work on defining what makes a good toy. Students will generate their own ideas and build a prototype. In this interactive, hands-on program, we will become designers, engineering their own fun!

Dates: June 18th – June 22nd

Hours: Monday – Friday 8:30 – 4:00
Cost: $525.00 for the week
Extended day is available from 4:00 – 5:30 @ $15.00/day

Pedal Power: A collaboration with MIT D-Lab

For students entering Third – Seventh Grade

Bicycles have been in use for many years in much of the developing world and are therefore a known technology. In their efforts to create sustainable technologies, the MIT D-Lab has applied the mechanics of pedal power in the creation and adaptation of many devices needed to improve life in the developing world. In this program, students at The Advent School will work together with our teachers and D-Lab staff to identify a problem and create a sustainable solution. We will introduce the design process, teach building skills, and work with a variety of materials, all while making connections and to and observations of how pedal power helps move the city of Boston. This program combines Math, Science, and creative design in an engaging process!

Dates: June 18th – June 29th
(This is a 2-week program. Students must participate in both weeks.)

Hours: Monday – Friday 8:30 – 4:00
Cost: $1050.00 for the 2-week program
Extended day is available from 4:00 – 5:30 @ $15.00/day