



The Dayton Region is a source of innovation and technology, and MLPC works to continually support this effort. One of the ways MLPC connects with the Dayton Region to bring forth technology and innovation is by partnering with The Dayton Regional STEM (Science, Technology, Engineering, and Math) School. The school provides a place for students to connect with scientists, engineers, strategists, planners, innovators, and entrepreneurs in the Dayton area. Over the past several years, MLPC has supported the STEM School by bringing students in for job shadowing and by taking part in a lunch and learn and summer orientation session.

October 28, 2011 sets the date for the next job shadowing opportunity! Job shadowing involves approximately four students visiting MLPC to learn about laser processes and technology. MLPC sets up work stations for the students to tour. At each station, the students receive hands on experience in laser micromachining, microcutting, welding, and marking. By the end of the day, the students have something to show from their hard work such as a spiral cut tube or a white light reading. The students also learn what a career in laser technology involves, and what education is required. Below there are a few pictures featured from the last job shadowing day at MLPC.



MLPC has also worked with the STEM School students during a lunch and learn session and a summer orientation. The lunch and learn provided the students an opportunity to present a project they had completed regarding global climate changes. MLPC personnel were able to ask questions and give their feedback to the students. During the summer orientation, MLPC employees set up a display to share their knowledge with the STEM students regarding laser science.

In addition to partnering with the Dayton Regional STEM School, MLPC has worked with educators involved in the Dayton Regional STEM Center (DRSC) through the STEM Fellows program. The STEM Fellows program involves a mixture of K-12 teachers, higher education faculty and researchers, and practicing STEM industry professionals. MLPC hosts a group of educators to tour MLPC's facility and learn about laser science. These individuals receive a guided tour of laser micromachining, microcutting, laser marking, and laser welding centers. The STEM Fellows can then take this knowledge and bring it into their classrooms.

Through these activities, MLPC continues to support STEM education and foster the next generation of innovators.