



# Manufacturing

## Program Description

This two-year program offers an introduction to state of the art manufacturing techniques by providing an integrated approach to the design, production, and testing of objects and materials. Manufacturing students should have an eye for detail, strong communication skills, and a mechanical aptitude for solving problems.

Students begin the course by mastering the basics of a machine tool process, then move to more advanced projects involving computer numerical control (CNC) machining, computer aided drafting (CAD) and computer aided manufacturing (CAM). The welding portion of the program introduces students to shielded metal arc welding, gas metal arc welding, gas tungsten arc welding, cutting, and brazing. An emphasis on product production is maintained, and students develop skills useful in a modern manufacturing environment.

<i>Instructor</i>	<i>Course(s) Name</i>	<i>Instructor Contact Information</i>	<i>Program Links &amp; Information</i>
Mike Dixon	Manufacturing	dixonm@howellschools.com 517-234-6450	<a href="#">Informational Video</a>



*\*Consortium: 11th and 12th grade students from all local districts may request to enroll in this CTE Program*