

INTRODUCTION TO CAD

Georgian Bay Community School
Technological Studies Department



CAD (or CADD) stand for Computer aided Design (and Drafting).

The main purpose of CAD is to create drawings to communicate our thoughts and designs. It is also a way of recording technical information for future use.

A secondary purpose of CAD is to communicate with Computer Aided Manufacturing (CAM) or Computer Numeric Controlled (CNC) machinery such as 3D printers, engravers, mills and lathes.

CAD skills can lead to many areas of employment, which we will explore in the Careers section. The two main areas of CAD are Manufacturing and Architecture. We will explore both, starting with Manufacturing using the Solid Edge software. We will explore 2D and then 3D processes.

If you are working ahead, don't wait for the introductory lesson. Open Solid Edge and try assignment one in 2D.

4 Video tutorials are provided that can help you through CAD assignments 1 and 2. It is highly recommended that you watch (before you start) and re-watch (while doing assignments) these videos.