Name of Unit: **Cardboard Project 1st-Year Students**	
Grade	**11**
Unit of Study	**Handtools, Measurements, Planning, Drafting**
Length of Unit	**15 days** (maximum of 30 days per unit)

Missouri Learning Standards

Industrial Maintenance Competencies M1 Correctly/safely use hand tools © **M2** Correctly/safely use power hand tools © **C1** Complete basic math problems (i.e. add, subtract, multiply, and divide) © **C4** Convert between values recorded as fractions, decimals, and percents using calculators and/or computer software ©	E1 Describe the importance of record keeping (i.e. quality standards) ©

Learning Targets

I can demonstrate how to properly measure my material and cut it to the proper size.

I can write and follow step-by-step directions.

I can identify and demonstrate how to use basic hand tools to complete my task.

Intervention and Enrichment

If a student requires additional help with the lesson, I will meet with the students to discuss a plan going forward.

Assessments

MLS (Learning Goal)	Description or Location
● Measurement Test- Reading a ruler	Tape Measure File Folder
● Cardboard project	Cardboard File Folder

Vocabulary

Ruler Tape Measure Utility Knife	Hot Glue		

Instructional Materials

Fusion 360 Design Software
Previous Years Examples

Additional Instructional Resources

Instructables- Website

Reflections for Future Revisions