

Machine/Tool Safety

Content Area: **21st Century Life & Careers**
Course(s): **Generic Course**
Time Period: **Marking Period 1**
Length: **2-3 Weeks**
Status: **Published**

Unit Introduction

Standards

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| 9.3.12.AC.1 | Use vocabulary, symbols and formulas common to architecture and construction. |
| 9.3.12.AC.6 | Read, interpret and use technical drawings, documents and specifications to plan a project. |
| 9.3.12.AC-CST.9 | Safely use and maintain appropriate tools, machinery, equipment and resources to accomplish construction project goals. |
| ARCH.9-12.9.4.12.B.(1).1 | Demonstrate communication skills and strategies that are used to work effectively with potential clients and others. |
| ARCH.9-12.9.4.12.B.(1).10 | Demonstrate understanding of principles, conventions, standards, applications, and restrictions pertaining to the manufacture and use of construction materials, components, and assemblies, and incorporate this understanding into project design. |
| ARCH.9-12.9.4.12.B.2 | Demonstrate mathematics knowledge and skills required to pursue the full range of postsecondary education and career opportunities. |
| ARCH.9-12.9.4.12.B.13 | Apply active listening skills to obtain and clarify information. |
| ARCH.9-12.9.4.12.B.17 | Use vocabulary and visual cues commonly used in design and construction to communicate successfully. |
| ARCH.9-12.9.4.12.B.61 | Demonstrate skills related to seeking and applying for employment in a desired job. |
| ARCH.9-12.9.4.12.B.62 | Maintain a career portfolio to document knowledge, skills, and experience in a career field. |
| MANU.9-12.9.4.12.M.33 | Demonstrate knowledge of personal and jobsite safety rules and regulations to maintain safe and healthful working conditions and environments. |
| MANU.9-12.9.4.12.M.35 | Identify emergency procedures that are necessary to provide aid in workplace accidents. |
| MANU.9-12.9.4.12.M.39 | Maintain safe and healthful working conditions and environments to ensure employee safety. |
| MANU.9-12.9.4.12.M.41 | Assess types and sources of workplace hazards common to manufacturing business environments in order to maintain safe working conditions. |
| MANU.9-12.9.4.12.M.52 | Identify and demonstrate positive work behaviors and personal qualities needed to succeed in the classroom and/or to be employable. |
| STEM.9-12.9.4.12.O.(1).9 | Employ concepts and processes for the application of technology to engineering. |
| STEM.9-12.9.4.12.O.2 | Demonstrate mathematics knowledge and skills required to pursue the full range of postsecondary education and career opportunities. |
| STEM.9-12.9.4.12.O.48 | Employ teamwork skills to achieve collective goals and use team members' talents effectively. |
| STEM.9-12.9.4.12.O.51 | Employ mentoring skills to assist others. |

Essential Questions

1. What does a safe working environment look like?

Content / Skills

Students will learn general safety practices and how to operate handtools and machinery safely/skillfully.

Skills (See Below):

- craftsmanship
- Layout
- measurement
- safety
- teamwork