



## Industrial Technology Grades 6-12

### **1.0 Follow technical directions and/or instructions.**

- 1.1 Demonstrates the ability to read directions in users manuals, textbooks, and/or professional publications.
- 1.2 Demonstrates the ability to follow directions given in a variety of ways.
- 1.3 Demonstrates the ability to assess their level of achievement.

### **2.0 Solves problems of a technical nature.**

- 2.1 Applies appropriate problem solving methods.
- 2.2 Demonstrates the ability to solve problems given a specific set of parameters.

### **3.0 Uses tools, equipment and materials in a safe and appropriate manner.**

- 3.1 Identifies and demonstrates appropriate and safe use of hand tools, portable power tools and stationary power equipment.
- 3.2 Demonstrates the ability to identify, select, and utilize appropriate materials for a given task.

### **4.0 Applies the principles related to design.**

- 4.1 Utilizes the design factors (functional, material, methods and appearance) as part of product completion.

### **5.0 Communicates using a variety of related media.**

- 5.1 Demonstrates the ability to communicate verbally and non-verbally using the language of the industry.
- 5.2 Expresses ideas visually.
- 5.3 Expresses ideas using a variety of media.
- 5.4 Demonstrates the ability to listen and provide feedback.
- 5.5 Demonstrates the ability to interpret written and verbal information.

### **6.0 Awareness of career opportunities.**

- 6.1 Demonstrates the ability to identify careers associated with learning activities including classroom and non-classroom enrichment opportunities (e.g. TSA).
- 6.2 Demonstrates the ability to research careers associated with construction,

communication, transportation, manufacturing and engineering.  
6.3 Explores career opportunities through service projects.