

2013-2014 Assessment Cycle

## Assessment Plan

### Mission Statement

### Learning Outcomes and Measures

#### ▼ Mechatronics Outcome Set

#### Learning Outcome

##### Blueprints

Read and interpret blueprints

▼ **Measure:** SkillsUSA mechatronics assessment  
Program level; Direct - Exam

##### Details/Description:

**Acceptable Target:** National Average

**Ideal Target:** Above the national average

**Implementation Plan (timeline):** Spring 14

**Key/Responsible Personnel:**

##### Mechatronics device

Build a Mechatronic device based upon given

▼ **Measure:** SkillsUSA mechatronics assessment  
Program level; Direct - Exam

specifications

**Details/Description:**

**Acceptable Target:** National Average

**Ideal Target:** Above the national average

**Implementation Plan (timeline):** Spring 14

**Key/Responsible Personnel:**

**Troubleshoot components**

Identify and troubleshoot mechanical, fluid power, electrical and electronic components

▼ **Measure:** SkillsUSA mechatronics assessment  
Program level; Direct - Exam

**Details/Description:**

**Acceptable Target:** National Average

**Ideal Target:** Above the national average

**Implementation Plan (timeline):** Spring 14

**Key/Responsible Personnel:**

**PLC Hardware**

Installation and troubleshooting of PLC hardware

▼ **Measure:** SkillsUSA mechatronics assessment  
Program level; Direct - Exam

**Details/Description:**

**Acceptable Target:** National Average

**Ideal Target:** Above the national average

**Implementation Plan (timeline):** Spring 14

**Key/Responsible Personnel:**

**PLC software**

Application and troubleshooting of PLC

▼ **Measure:** SkillsUSA mechatronics assessment  
Program level; Direct - Exam

software

**Details/Description:**

**Acceptable Target:** National Average

**Ideal Target:** Above the national average

**Implementation Plan (timeline):** Spring 14

**Key/Responsible Personnel:**

**Mechanical Systems**

Demonstrate basic knowledge of mechanical systems

▼ **Measure:** SkillsUSA mechatronics assessment  
Program level; Direct - Exam

**Details/Description:**

**Acceptable Target:** National Average

**Ideal Target:** Above the national average

**Implementation Plan (timeline):** Spring 14

**Key/Responsible Personnel:**

**Mathematical Skills**

▼ **Measure:** SkillsUSA mechatronics assessment  
Program level; Direct - Exam

**Details/Description:**

**Acceptable Target:** National Average

**Ideal Target:** Above the national average

**Implementation Plan (timeline):** Spring 14

**Key/Responsible Personnel:**

**Science Skills**

▼ **Measure:** SkillsUSA mechatronics assessment  
Program level; Direct - Exam

**Details/Description:**

**Acceptable Target:** National Average

**Ideal Target:** Above the national average

**Implementation Plan (timeline):** Spring 14

**Key/Responsible Personnel:**

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