

2010-2011 Assessment Cycle (2010-2011Assessment 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 11

Key/Responsible Personnel:

#### Mechatronics device

Build a Mechatronic device  
based upon given  
specifications

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

Details/Description:

Acceptable Target: National Average

Ideal Target: Above the national average

Implementation Plan (timeline): Spring 11

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 11

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 11

Key/Responsible Personnel:

PLC software  
Application and troubleshooting of PLC software

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

Details/Description:  
Acceptable Target: National Average  
Ideal Target: Above the national average  
Implementation Plan (timeline): Spring 11  
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 11  
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 11  
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 11  
Key/Responsible Personnel:

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