

### **Engine Knowledge**

Contestants must demonstrate knowledge on how an aircraft engine works. They must be able to do simple tasks with aircraft engine components such as spark plugs, oil filters and oil screens.

### **Measuring**

Contestants must demonstrate knowledge on how to use a micrometer, caliper and other measuring equipment.

### **Airframe**

Contestants must demonstrate knowledge on simple fixes and tests of an aircraft airframe. This includes stop drilling, punch tests and more.

### **Identifying Hardware**

Contestants must be able to identify different tools, nuts, screws and wire and the applications.

### **Electrical**

Contestants must be able to read electrical diagrams, use electrical tools and test circuits.

### **Airworthiness Directives (AD's)**

Contestants must demonstrate a knowledge of what an AD is, how to find them and how to read them.

### **Aircraft Instruments**

Contestants must have a basic understanding of what the 6 main instruments in an aircraft are, what they do, and how they work.

### **Safety Wire**

Contestants must be able to demonstrate how to safely wire bolts, oil filters and more on or off of an engine.

### **337 Forms**

Contestants must be able to complete a 337 form with the information given to them.

### **Resume**

All contestants must have a neat resume with 2 references on a separate sheet.

### **Professional Manner**

All contestants must be professional and well groomed, wearing official SkillsUSA dress. (Light blue work shirt, navy pants and black or brown leather shoes)

### **Written Test**

Contestants will be expected to complete a written test. The test may contain any of the subjects outlined in the technical standards.

**Interview**

Contestants will go through an interview where they may be asked to explain any of the subjects outlined in the technical standard or asked about their resume.