

**Plainfield High School**  
**Career & Technical Education Department**  
**Pacing Guide – Wood Technology 1**

~September~

**Week 1:**

School Begins

**Classroom Orientation**

Objective: Upon completion SWBAT understand the rules and objectives of the class

Activities Include: Wood 1 – students work on squaring stock

**Week 2:**

**General Shop Safety**

Objective: Upon completion SWBAT understand the general safety of the shop

Activities Include: Wood 1 – students work on squaring stock

**Week 3:**

**Reading the Ruler**

Objective: Upon completion students will be able to understand the techniques required for reading the ruler

Activities Include: Wood 1 – students work on squaring stock

**Week 4:**

**Squaring stock to dimension**

Objective: Upon completion students will be able to square stock to a correct dimension

Activities Include: Wood 1 – students work on squaring stock

**Notes:** NJCCCS Standards

9.1.4, 9.1.8, 9.1.12, 9.1.12

9.2.4, 9.2.8, 9.2.12

9.2.12

**Plainfield High School  
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Pacing Guide**

~ September ~

**Week 1:**

**Hand Planes**

Objective: Upon completion SWBAT understand the proper safety and use of the hand plane

Activities Include: Wood 1 – students work on squaring stock/students work on tool tray

**Week 2:**

**Hand Saws**

Safety and use:

Objective: Upon completion students will be able to understand the safety and use of the hand saws

Activities Include: Wood 1 – students work on squaring stock/students work on tool tray

**Week 3:**

**Nail and Nailing**

Objective: Upon completion students will be able to understand the process of using nails as a fastener and the various types of material used as nail

Activities Include: Wood 1 – students work on squaring stock/students work on tool tray

**Week 4:**

**Reading a Bill of material**

Objective: Upon completion SWBAT understand the proper technique for reading a bill of material

Activities Include: Wood 1 – students work on squaring stock/students work on tool tray

~September~

**Notes:** NJCCCS Standards

9.1.4, 9.1.8, 9.1.12, 9.1.12

9.2.4, 9.2.8, 9.2.12

9.2.12

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October

**Week 1:**

**Calculating for Board feet**

Objective: Upon completion SWBAT understand

How to measure and price material through board feet

Activities Include: Wood 1 – students work on squaring stock/students work on tool tray

**October**

**Week 2:**

Bit and Brace

Objective: Upon completion SWBAT understand the technique to make the handle for the tool tray

Activities Include: Wood 1 – students work on squaring stock/students work on tool tray

**Week 3:**

**Assembling the tool box**

Objective: Upon completion SWBAT understand the procedures for assembling the tool tray

Activities Include: Wood 1 – students work on squaring stock/students work on tool tray

**Week 4:**

Drill press

Safety and use

Upon completion SWBAT understand the safety and use of the Drill press.

Activities Include: Wood 1 – students work on squaring stock/students work on tool tray/step bench

**Notes:** NJCCCS Standards

9.1.4, 9.1.8, 9.1.12, 9.1.12

9.2.4, 9.2.8, 9.2.12

9.2.12

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November

**Week 1:**

**Scroll saw**

**Safety and use**

Objective: Upon completion SWBAT understand the safety and use of the scroll saw

activities Include: Wood 1 – students work on squaring stock/students work on tool tray/step bench

**Week 2:**

**Scroll saw**

**Safety and use**

Objective: Upon completion SWBAT understand the safety and use of the scroll saw

activities Include: Wood 1 – students work on squaring stock/students work on tool tray/step bench

**Week 3:**

**Scroll saw**

**Safety and use**

Objective: Upon completion SWBAT understand the safety and use of the scroll saw

activities Include: Wood 1 – students work on squaring stock/students work on tool tray/step bench

**Week 4:**

**No school**

November

**Notes:**

NJCCCS Standards

9.1.4, 9.1.8, 9.1.12, 9.1.12

9.2.4, 9.2.8, 9.2.12

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November

**Week 1:**

**Wood Finishing**

**Objective: Upon completion SWBAT understand various techniques for wood finishing**

Stain and Staining

activities Include: Wood 1 – students work on squaring stock/students work on tool tray/step bench

November

**Week 2:**

Students work on individual projects

Tool Tray

Step bench

Organizer

Objective: Upon completion students will be able to square stock to a correct dimension

Midterm Exam schedule

activities Include: Wood 1 – students work on squaring stock/students work on tool tray/step bench

**Week 3:**

Woods of the World

Objective: Upon completion SWBAT understand the various types of wood in the world

Anatomy of a wood structure

activities Include: Wood 1 – students work on squaring stock/students work on tool tray/step bench

**Week 4:**

Woods of the World

Objective: Upon completion SWBAT understand the various types of wood in the world

Anatomy of a wood structure

activities Include: Wood 1 – students work on squaring stock/students work on tool tray/step bench

November

**Notes:**

NJCCCS Standards

9.1.4, 9.1.8, 9.1.12, 9.1.12

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9.2.12

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December

**Week 1:**

Face frame construction

Objective:

Upon completion SWBAT understand the purpose and creation of a face frame.

activities Include: Wood 1 – students work on squaring stock/students work on tool tray/step bench

**Week 2:**

Wood jointery

Objective: Upon completion SWBAT understand various types of wood joint and the purpose of each.

activities Include: Wood 1 – students work on squaring stock/students work on tool tray/step bench



December

**Week 3:**

Wood jointery

Objective: Upon completion SWBAT understand various types of wood joint and the purpose of each.

Dado Joint

Making the joint

activities Include: Wood 1 – students work on squaring stock/students work on tool tray/step bench

**Week 4:**

Wood jointery

Objective: Upon completion SWBAT understand various types of wood joint and the purpose of each.

Rabbet Joint

Making the joint

activities Include: Wood 1 – students work on squaring stock/students work on tool tray/step bench

**Notes:** NJCCCS Standards

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December

## December

### **Week 1:** Wood jointery

Objective: Upon completion SWBAT understand various types of wood joint and the purpose of each.

Box joint

Making the joint

activities Include: Wood 1 – students work on squaring stock/students work on tool tray/step bench

### **Week 2**

Wood jointery

Objective: Upon completion SWBAT understand various types of wood joint and the purpose of each.

Boxl jointery:

activities Include: Wood 1 – students work on squaring stock/students work on tool tray/step bench

### **Week 3:**

Wood jointery

Objective: Upon completion SWBAT understand various types of wood joint and the purpose of each.

Dovetail jointery

activities Include: Wood 1 – students work on squaring stock/students work on tool tray/step bench

### **Week 4:**

Wood jointery

Objective: Upon completion SWBAT understand various types of wood joint and the purpose of each.

Dovetail jointery

activities Include: Wood 1 – students work on squaring stock/students work on tool tray/step bench

December

**Notes:** NJCCCS Standards

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January

**Week 1:**

Wood jointery

Objective: Upon completion SWBAT understand various types of wood joint and the purpose of each.

Lap Jointery

activities Include: Wood 1 – students work on squaring stock/students work on tool tray/step bench/organizer

**Week 2:**

Wood jointery

Objective: Upon completion SWBAT understand various types of wood joint and the purpose of each.

Lap Jointery

activities Include: Wood 1 – students work on squaring stock/students work on tool tray/step bench/organizer

January

**Week 3:**

**Band Saw**

Objective: Upon completion SWBAT understand the safety and use of the band saw

activities Include: Wood 1 – students work on squaring stock/students work on tool tray/step bench/organizer

**Week 4:**

**Band Saw**

Objective: Upon completion SWBAT understand the safety and use of the band saw

activities Include: Wood 1 – students work on squaring stock/students work on tool tray/step bench/organizer

**Notes:**

NJCCCS Standards

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