

Plainfield High School
Career & Technical Education Department
Pacing Guide – Wood Technology 2

~ September ~

Week 1:

School Begins

Classroom Orientation

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

Week 2:

General Shop Safety

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

Week 3:

Reading the Ruler

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

Activities Include: Wood 2 – 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 2 – students work on squaring stock

~ September ~

Notes: X.

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
Career & Technical Education Department
Pacing Guide – Wood Technology 2**

~ October ~

Week 1:

The student will:

- understand project planning and design of cabinet

Activities Include: Wood 2 – students work on squaring stock

Week 2:

The student will:

- understand project planning and design of cabinet

Activities Include: Wood 2 – students work on organizer

~ October ~

Week 3:

Selecting and Identifying Materials

The student will:

- understand the process of choosing material for individual project work

Week 4:

Selecting and Identifying Materials

The student will:

- understand the process of choosing material for individual project work

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

Activities Include: Wood 2 – students work on organizer

**Plainfield High School
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Week 1:

Planning and Designing.

1. Sketching
2. Drafting Equipment Usage
3. Pictorial = Isometric/Oblique
4. Orthographic Projection/Working Drawing
5. Bill of Materials List
6. Cutting Diagram/Cut List/Estimating Project
7. Plan of Procedures

Activities Include: Wood 2 – students work on organizer

Week 2:

Planning and Designing.

- Pictorial = Isometric/Oblique
- Orthographic Projection/Working Drawing

Activities Include: Wood 2 – students work on organizer

Week 3:

Planning and Designing.

- Bill of Materials List
- Cutting Diagram/Cut List/Estimating Project

Activities Include: Wood 2 – students work on organizer

~ November ~

Week 4.

Planning and Designing.

Plan of Procedures

Activities Include: Wood 2 – students work on organizer

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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~ December ~

~ December ~

Week 1:

Materials and Layout:

Wood: Its Nature and Properties.

Activities Include: Wood 2 – students work on organizer

Week 2:

Materials and Layout:

Identification of Softwoods, Hardwoods and Manufactured Lumber

Week 3:

Materials and Layout:

Plywood, Hardboard, and Particle Board

Activities Include: Wood 2 – students work on organizer

Week 4:

Materials and Layout:

Ordering Lumber and Other Materials
Making a Layout.

~ December ~

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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~ January ~

Week 1:

Portable Tool, Power Machines and Safety:

a. Radial Arm Saw/Safety

Activities Include: Wood 2 – students work project cabinet

Week 2:

Portable Tool, Power Machines and Safety:

a. Radial Arm Saw/Safety

Activities Include: Wood 2 – students work project cabinet

~ January ~

Week 3:

Portable Tool, Power Machines and Safety:

Jointer/Safety

Activities Include: Wood 2 – students work project cabinet

Week 4:

Portable Tool, Power Machines and Safety:

Jointer/Safety

Activities Include: Wood 2 – students work project cabinet

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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~ February ~

~ February ~

Week 1:

Portable Tool, Power Machines and Safety:

Power Miter Box/Safety

Activities Include: Wood 2 – students work project cabinet

Week 2:

Portable Tool, Power Machines and Safety:

Power Miter Box/Safety

Week 3:

Portable Tool, Power Machines and Safety:

Band Saw/Safety

Activities Include: Wood 2 – students work project cabinet

Week 4:

Portable Tool, Power Machines and Safety:

Band Saw/Safety

~ February ~

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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~ March ~

Week 1:

Basic Construction Problems and Procedures.

1. Building Up Large Surfaces.
2. Design and Construction of Casework and Furniture.
3. Selection and Handling of Woods.
4. Cutting Sheet Material.

Activities Include: Wood 2 – students work project cabinet

Week 2:

Basic Construction Problems and Procedures.

1. Building Up Large Surfaces.
2. Design and Construction of Casework and Furniture.
3. Selection and Handling of Woods.
4. Cutting Sheet Material.

Activities Include: Wood 2 – students work project cabinet

Week 3:

Cabinetmaking Joints

1. Elements of Joinery.
2. Fastening and Strengthening Joints.
3. Identification of Wood Joints.

Activities Include: Wood 2 – students work project cabinet

Week 4:

Cabinetmaking Joints

1. Elements of Joinery.
2. Fastening and Strengthening Joints.
3. Identification of Wood Joints.

Activities Include: Wood 2 – students work project cabinet

~ March ~

Notes:

NJCCCS Standards

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9.2.12

**Plainfield High School
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~ April ~

Week 1:

Gluing and Clamping

1. Selecting Adhesives
2. Clamping Devices
3. Marking Pieces for Assembly and Gluing Procedures
4. Assembling Cabinets and Furniture

Activities Include: Wood 2 – students work project cabinet

Week 2:

Gluing and Clamping

1. Selecting Adhesives
2. Clamping Devices
3. Marking Pieces for Assembly and Gluing Procedures
4. Assembling Cabinets and Furniture

Activities Include: Wood 2 – students work project cabinet/students work on individual project design

Week 3:

Plastic Laminates

1. Grades of Laminates
2. Sheet Sizes
3. Core Materials
4. Adhesives
5. Methods of Cutting
6. Edge Treatments

Activities Include: Wood 2 – students work project cabinet/students work on individual project design

~ April ~

Week 4:

Case Construction

1. Face Frame Case
2. Frameless Case
 - a. 32 Millimeter Construction

Activities Include: Wood 2 – students work project cabinet/students work on individual project design

Notes:

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9.2.12

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~ May ~

Week 1:

Finishing:

a. Preparing for Finishing

1. Removing Mill Marks
2. Removing Excess Glue
3. Repairing Wood Surface
4. Final Sanding of Furniture

Activities Include: Wood 2 – students work project cabinet/students work on individual project design

Week 2:

Staining

1. Kinds of Stains
2. Application of Stains
3. Safety and Storage of Materials

Activities Include: Wood 2 – students work project cabinet/students work on individual project design

Week 3:

Protective Coatings

1. Lacquer, Polyurethane, and Tung Oil
2. Rubbing, Polishing, and Cleaning
3. Safety and Ventilation

Activities Include: Wood 2 – students work project cabinet/students work on individual project design

Week 4:

Protective Coatings

1. Lacquer, Polyurethane, and Tung Oil
2. Rubbing, Polishing, and Cleaning
3. Safety and Ventilation

Activities Include: Wood 2 – students work project cabinet/students work on individual project design

Notes:

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9.2.12

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~ June ~

Week 1:

Students work to complete projects

Activities Include: Wood 2 – students work project cabinet/students work on individual project design

Week 2:

Final Exam

Objective: Upon completion SWBAT understand and review for final exams

Week 3:

Final exams

Objective: Upon completion SWBAT understand the year in review with a final exam

Students will finish required projects

Week 4:

Notes:

NJCCCS Standards

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9.2.12