

**Wilson Area School District
Planned Course Guide**

Title of planned course: Technology Education – Grade 6

Subject Area: Technology Education Grade Level: 6th

Course Description: Students will be completing projects using paper and wood that require basic hand tool skills and problem solving. In the first four days of the thirty day cycle students will be engaged in standard measurement activities to a sixteenth of an inch.

Time/Credit for this Course: 30 days

Curriculum Writing Committee: George M. Banas

**Wilson Area School District
Planned Course Materials**

Course Title: Technology Education

Textbook: None (title)
_____ (publisher)
_____ (copyright date)
_____ (web address)

Supplemental Books: WOOD magazine, This Old House magazine, Popular Woodworking magazine, and Wood Workers Journal

Teacher Resources: Magazines, Internet sites, and other school districts

Curriculum Map

- Week 1: - Safety (2 days)
- Measurement (3 days)
- Week 2: - CD Holder Project
- Week 3: - CD Holder Project
- Week 4: - CD Holder Project (3 days)
- 3x5 Box Project (2 days)
- Week 5: - 3x5 Box Project
- Week 6: - 3x5 Box Project

Scope & Sequence

Planned Course: Technology Education

Unit: Safety

Time frame: 2 days

State Standards: 3.7.7.A

Anchor(s) or adopted anchor:

Essential content/objectives: At end of the unit, students will be able to:
Students will be able to describe and demonstrate appropriate use of tools, materials and procedures needed in the shop setting.

Core Activities: Students will complete/participate in the following:

1. Lecture
2. Demonstrate
3. Quiz
4. Application

Extensions: N/A

Remediation: Teacher assistance

Instructional Methods:

1. Lecture
2. Demonstrate
3. Guided practice
4. Independent practice

Materials & Resources:

1. Posters
2. Job board
3. Quiz
4. Seating chart
5. Worksheets
6. Project bins
7. Class roster

Assessments:

1. Quiz
2. Observation

Scope & Sequence

Planned Course: Technology Education

Unit: Measurement

Time frame: 3 days

State Standards: 3.7.7.B

Anchor(s) or adopted anchor:

Essential content/objectives: S.W.B.A.T. select and use appropriate instruments to measure objects in standard form to the nearest sixteenth of an inch.

Core Activities: Students will complete/participate in the following:

1. Lecture
2. Demonstrate
3. Quiz
4. Application

Extensions: None

Remediation: Teacher assistance, extra worksheets

Instructional Methods:

1. Lecture
2. Demonstrate
3. Guided practice
4. Independent practice

Materials & Resources:

1. Ruler board
2. Ruler
3. Worksheets
4. Quiz

Assessments:

1. Quiz
2. Worksheets
3. Observation of application
4. Projects

Scope & Sequence

Planned Course: Technology Education

Unit: CD Holder

Time frame: 13 days

State Standards 3.7.7.A
3.7.7.B

Anchor(s) or adopted anchor:

Essential content/objectives: At end of the unit, students will be able to:
S.W.B.A.T. produce a materials list to complete the project at hand.
S.W.B.A.T. use correct tools safely.

Core Activities: Students will complete/participate in the following:

- | | |
|------------|----------|
| 1. Measure | 5. Drill |
| 2. Cut | 6. Stamp |
| 3. File | 7. Glue |
| 4. Sand | 8. Stain |

Extensions:

Remediation: Teacher assistance

Instructional Methods:

1. Lecture
2. Demonstrate
3. Guided Practice
4. Independent Practice

Materials & Resources:

- | | | | |
|---------------|-----------------|------------------|-----------------|
| 1. Paper | 6. Files | 11. Metal stamps | 15. Brush |
| 2. Templates | 7. Hand drill | 12. Hammer | 16. Stain |
| 3. Rulers | 8. Back saw | 13. Glue | 17. Screw drive |
| 4. Stock | 9. Dowel | 14. Sand paper | 18. Newspaper |
| 5. Coping saw | 10. Dowel board | | |

Assessments:

1. Observation
2. Materials sheet
3. Project

Scope & Sequence

Planned Course: Technology Education

Unit: 3x5 Box

Time frame: 12 days

State Standards 3.7.7.A
3.7.7.B

Anchor(s) or adopted anchor:

Essential content/objectives: At end of the unit, students will be able to:
S.W.B.A.T. measure all seven pieces needed to complete the project to the nearest sixteenth of an inch. S.W.B.A.T. use correct tools safely to complete the project at hand.

Core Activities: Students will complete/participate in the following:

1. Measure
2. Trace
3. Cut
4. File
5. Sand
6. Drill
7. Nail
8. Stamp
9. Stain

Extensions: Student can create a unique handle for on top of the box.

Remediation: Teacher assistance

Instructional Methods:

1. Lecture
2. Demonstrate
3. Guided Practice
4. Independent Practice

Materials & Resources:

- | | | | |
|--------------|---------------|-----------------|------------|
| 1. Worksheet | 4. Stock | 7. Sand paper | 10. Nails |
| 2. Rulers | 5. Coping saw | 8. Metal stamps | 11. Hammer |
| 3. Templates | 6. Files | 9. Drill | 12. Brush |
| | | | 13. Stain |

Assessments:

1. Worksheet
2. Observation
3. Project