



Warrior Oak Woodturning 16-Week Program Syllabus *Grades 9–12*

Program Title: Introduction to Woodturning: Craft, Creativity, and Confidence

Instructor: Ernesto Aquino

Location: Warrior Oak Woodturning Learning Center-1404 El Nido Dr. Fallbrook, CA. 92028

Program Duration: Semester-based (16 weeks)

Schedule: One session per week – 2 hours per session

Day: TBD

Time: TBD

Cost: \$600.00 per semester/per student

Program Overview

This semester-long woodturning program introduces high school students to the fundamentals of woodturning through a structured, hands-on, and student-centered approach. With an emphasis on safety, technique, and artistic exploration, students will gain foundational knowledge and confidence in a supportive, creative environment.

Learning Objectives

By the end of this program, students will be able to:

- Demonstrate proper woodturning safety protocols.
 - Identify and use essential woodturning tools and equipment.
 - Execute basic woodturning techniques including spindle turning.
 - Design and complete individual woodturning projects.
 - Reflect on their creative process and craftsmanship.
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Course Outline

Unit 1: Safety First (Weeks 1)

- Mandatory use of visors/safety glasses while operating or observing lathe work.
- Understanding appropriate attire (no loose clothing/jewelry).
- Identifying and respecting the “fly zone.”
- Importance of listening, asking questions, and following instructions.

Unit 2: Introduction to Tools and Terms (Weeks 2)

- Sefty Quiz
- Overview of the wood lathe and its components.
- Explanation of key terms: lathe, workpiece, tool rest, gouges, chisels.
- Hands-on demonstrations of each tool's purpose and function.

Unit 3: Skill-Building Through Spindle Projects (Weeks 3–9)

- Practice holding and maneuvering tools correctly.
- Simple starter projects: pens, bottle stoppers, and bud vases.
- Emphasis on control, patience, and consistent technique.
- Instructor-led demonstrations followed by guided practice.

Unit 4: Creativity in Action (Weeks 10–13)

- Introduction to various wood types and finishes.
- Designing a personalized woodturning project.
- Application of learned techniques to independent or small-group work.
- Encouragement of exploration, safe experimentation, and self-expression.

Unit 5: Completion & Presentation (Weeks 14–16)

- Finishing techniques: sanding, polishing, and applying finishes.
- Final student presentations: sharing project outcomes and creative reflections.
- Gallery-style showcase of completed student work for families and peers.

Materials Provided

- All tools, safety gear, wood blanks, and finishing supplies.

Student Responsibilities

- Attend each session on time and be prepared to engage fully.
 - Follow all safety instructions.
 - Show respect to peers, tools, and the learning environment.
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Assessment Criteria

- Participation and effort in all activities.
- Mastery of basic safety and technical skills.
- Completion of assigned projects.
- Personal growth in creativity, confidence, and craftsmanship.

Contact Information:

Ernesto Aquino

Founder & Instructor, Warrior Oak Woodturning

warrioroak@gmail.com/760-518-6121

This syllabus is subject to minor updates based on group dynamics or material availability. Warrior Oak Woodturning is committed to maintaining a safe and inspiring learning experience for all students.



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