

## **Beginning Woodworking**

Course # T402111

Grades 9-12

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Highland Park Senior High School, Room 0154

### **I. Course Summary**

In this beginning woodworking course, students will demonstrate the safe and proper use of hand tools and operation of selected woodworking power equipment in the construction of assigned project(s).

### **II. Units of Study**

- Safety
- Measuring
- Joinery
- Wood Finishing
- Wood turning
- Graphic Design
- Laser Engraving
- Shop Maintenance

### **III. MYP Aims and MN State Standards**

#### **MYP Design Aims**

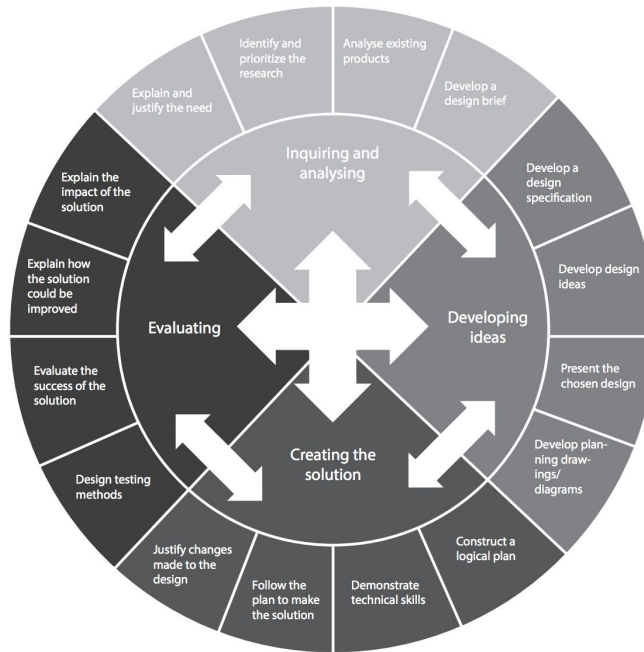
- Enjoy the design process, develop an appreciation of its elegance and power
- Develop knowledge, understanding and skills from different disciplines to design and create solutions to problems using the design cycle
- Use and apply technology effectively as a means to access, process and communicate information, model and create solutions, and to solve problems
- Develop an appreciation of the impact of design innovations for life, global society and environments
- Appreciate past, present and emerging design within cultural, political, social, historical and environmental contexts

#### **MN State Standards**

- Understand and demonstrate the proper safety practices and procedures commonly used in the building trades.
- Understand the techniques, tools and technologies related to the production of technical drawings.
- Demonstrate a working knowledge of construction plans.
- Perform math calculations and measurements.
- Identify materials used in construction.
- Display proper knowledge of hand tools, and portable and stationary power tools.

## V. Methods of Assessment

- Seventy percent of the grade is based on summative assessments and 30% of the grade is based on formative assessments. Please see the Highland Park Grading and Assessment Policy on the Highland Park Senior High Webpage for additional information about assessment.
- MYP Design Criteria is based on the following design cycle.



## VI. Other Course Info

- Work for this class will primarily be conducted during class time. iPads need to be brought to class everyday. Students will rarely receive homework in this course.
- Students are expected to be safe, respectful, and responsible.
- There is a one time \$10 lab fee. This fee is used to pay for materials needed for students to complete projects. Students will take their projects home once completed.

Print Student's Name: \_\_\_\_\_

Period: \_\_\_\_\_

*I have read and understood the course syllabus. I understand there is a materials fee for the course. I understand that hand tools, power tools, and woodworking machines will be used by students in this course. Operation of these tools requires that students demonstrate that they are able to operate the tools safely.*

Student Signature: \_\_\_\_\_ Parent Signature: \_\_\_\_\_ Date: \_\_\_\_\_

I am including the \$10 lab fee with this form:  yes  not yet

I am including \$ \_\_\_\_\_ to scholarship other students.

Receipt for Woodworking Lab Fee HPSH		
Print Student Name:		
Received by:	(teacher signature)	Amount Received: