



# Woodwork Merit Badge (9/19)



Woodwork Merit  
Badge



Official Approved  
MBC:  
Eric Cutright

Assistant:  
Mike Funk





# Woodwork Merit Badge – Overview



- The Woodwork Merit Badge has seven requirements, including four projects to build
  - Tonight we will go over the four project requirements
- Mr. Eric is offering several workshops to build the projects
  - This is NOT a free Merit Badge, there will be a fee to cover project materials, you can pay via Scout Account, cash, check
  - You can build projects somewhere else but must show in-progress pictures and bring in your final work
  - One of the projects is custom designed and built by you, so the cost depends on what you choose to build
    - You must have an approved plan before attending a workshop
    - You can build alternate projects for the other projects, but you must meet the requirements and have an approved plan first

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# Woodwork Merit Badge – Four Required Projects



Woodwork Merit  
Badge

- The Woodwork Merit Badge has four required construction projects:
  4. Using a saw, plane, hammer, brace, and bit, make something useful of wood. Cut parts from lumber that you have squared and measured from working drawings
  5. Create your own woodworking project. Begin by making working drawings, list the materials you will need to complete your project, and then build your project. Keep track of the time you spend and the cost of the materials.





# Woodwork Merit Badge – Four Required Projects



Woodwork Merit  
Badge

- The Woodwork Merit Badge has four required construction projects, continued:
  6. Do any TWO of the following (Mr. Eric suggestions in Red):
    - a. Make working drawings of a project needing beveled or rounded edges and build it.
    - b. Make working drawings of a project needing curved or incised cuttings and build it.
    - c. Make working drawings of a project needing miter, dowel, or mortise and tenon joints and build it.
    - d. Make a cabinet, box, or something else with a door or lid fastened with inset hinges.
    - e. Help make and repair wooden toys for underprivileged children OR help carry out a woodworking service project approved by your counselor for a charitable organization.





# Woodwork Merit Badge – Project 4 Required Tools



Woodwork Merit  
Badge

4. Using a saw, plane, hammer, brace, and bit, make something useful of wood. Cut parts from lumber that you have squared and measured from working drawings



Hand Saw



Coping  
Saw



Plane





# Woodwork Merit Badge – Project 4 Required Tools



Woodwork Merit  
Badge

4. Using a saw, plane, hammer, brace, and bit, make something useful of wood. Cut parts from lumber that you have squared and measured from working drawings

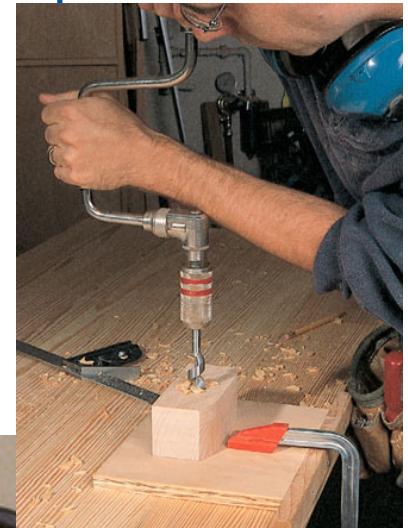


Hammer

Brace



Bit





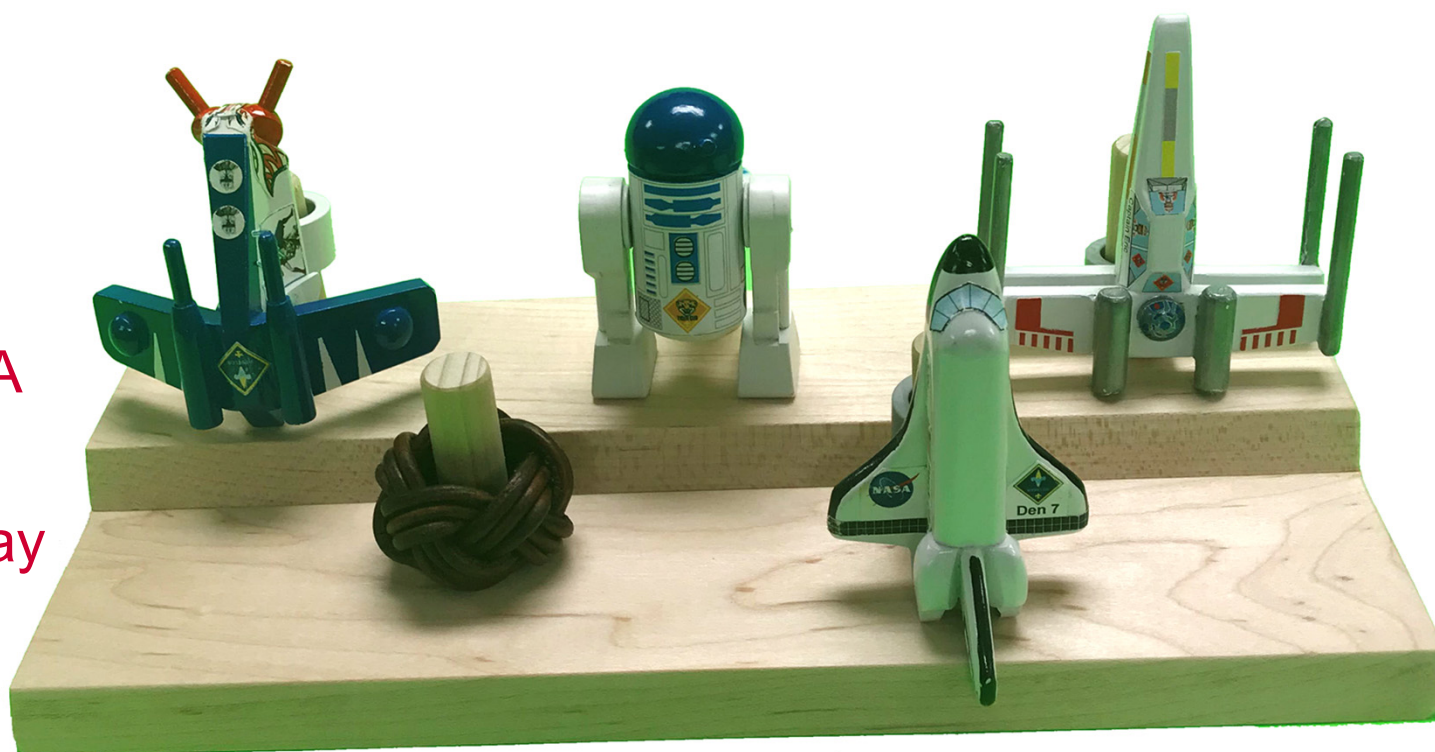
# Woodwork Merit Badge – Project 4



Woodwork Merit  
Badge

4. Using a saw, plane, hammer, brace, and bit, make something useful of wood. Cut parts from lumber that you have squared and measured from working drawings

Mr. Eric's  
suggested  
project:  
a Scouts BSA  
Neckerchief  
woggle display



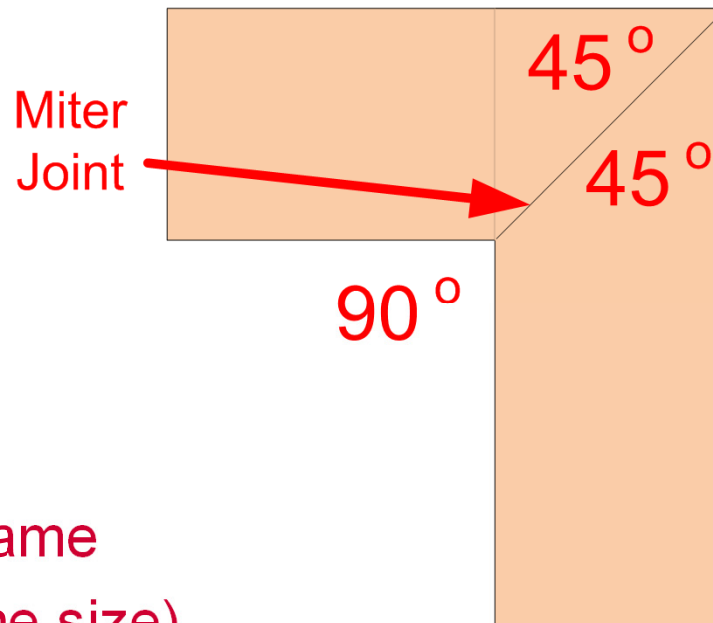


# Woodwork Merit Badge – Project 6c



Woodwork Merit  
Badge

6c. Make working drawings of a project needing miter, dowel, or mortise and tenon joints and build it.



Mr. Eric's  
suggested  
project:  
a picture frame  
(you pick the size)



Example of Fine Art





# Woodwork Merit Badge – Project 6d



Woodwork Merit  
Badge

6d. Make a cabinet, box, or something else with a door or lid fastened with inset hinges.

Mr. Eric's  
suggested  
project:  
a pirate chest  
OR  
a Scouts BSA  
keepsake box





# Woodwork Merit Badge – Project 5: Your Design



Woodwork Merit  
Badge

Create your own woodworking project. Begin by making working drawings, list the materials you will need to complete your project, and then build your project. Keep track of the time you spend and the cost of the materials.



Napkin  
Holder



Tool Box



Book  
Case

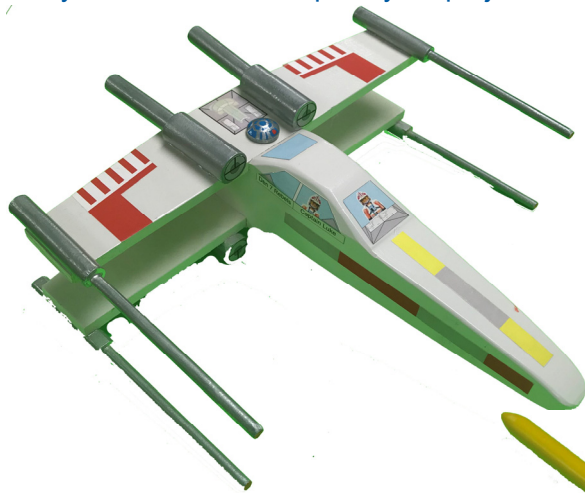


# Woodwork Merit Badge – Project 5: Your Design

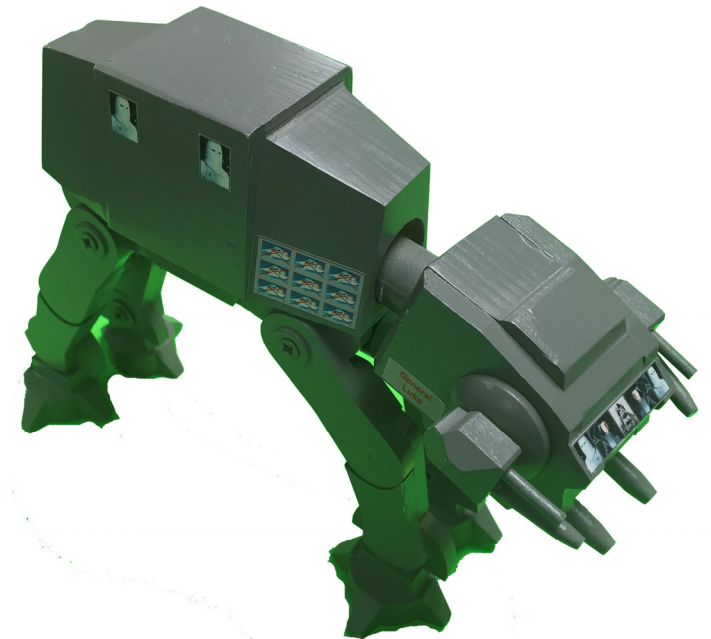


Woodwork Merit  
Badge

Create your own woodworking project. Begin by making working drawings, list the materials you will need to complete your project, and then build your project. Keep track of the time you spend and the cost of the materials.



Star  
Wars  
Ships



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# Woodwork Merit Badge – Project 5: Your Design



Woodwork Merit  
Badge

Create your own woodworking project. Begin by making working drawings, list the materials you will need to complete your project, and then build your project. Keep track of the time you spend and the cost of the materials.

Whatever  
else you  
can come  
up with !!



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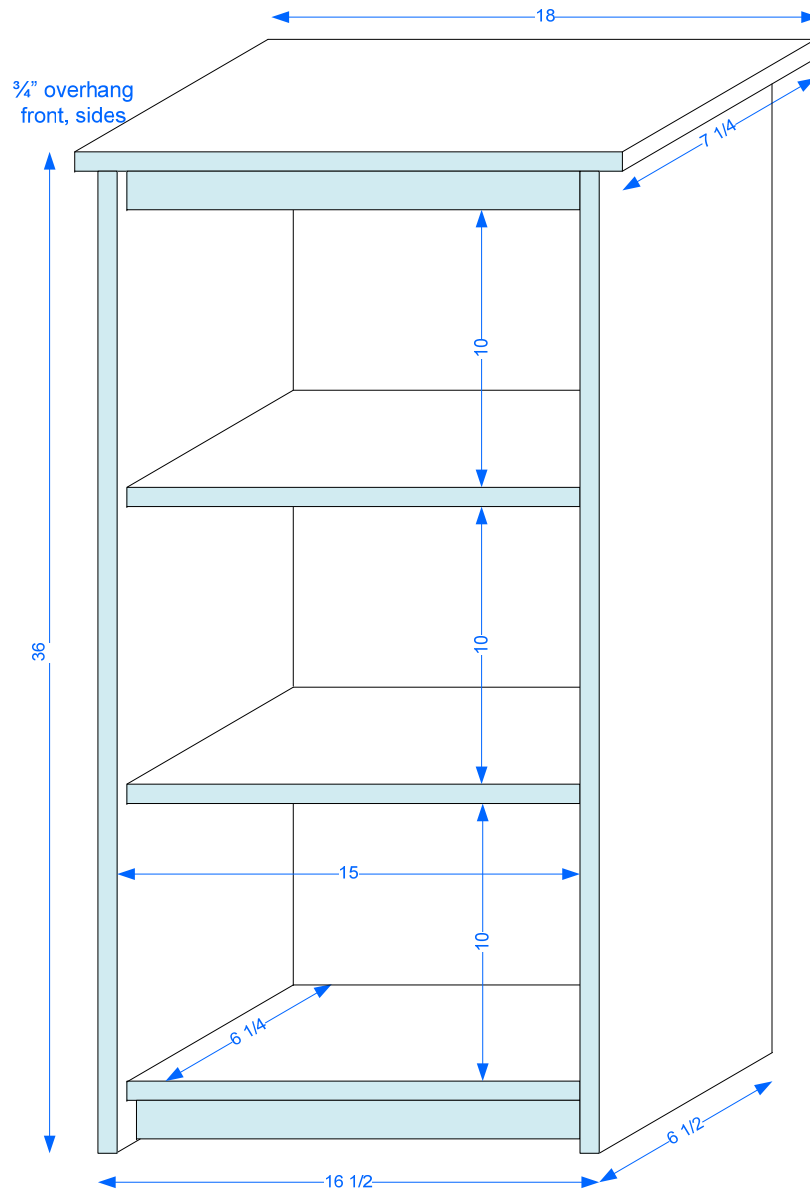


# Project 5: Sample Bookcase Plan



1028  
1029

Woodwork Merit  
Badge



Our Project: A small bookcase for DVD/CD/book storage

Material: White Pine  
Qty: two 8" x 6' boards  
Cost: \$19.00

## Parts List:

Part	Dimensions	Qty
Top	7 1/4 x 18	1
Sides	6 1/2 x 35 1/4	2
Shelves	6 1/4 x 15	3
T/B Brackets	1 1/2 x 15	2
Back (optional)	15 7/8 x 33 7/8	1

## Workshop dress code:

We will get (very) dusty – wear Class B or casual (Class A uniforms not recommended)



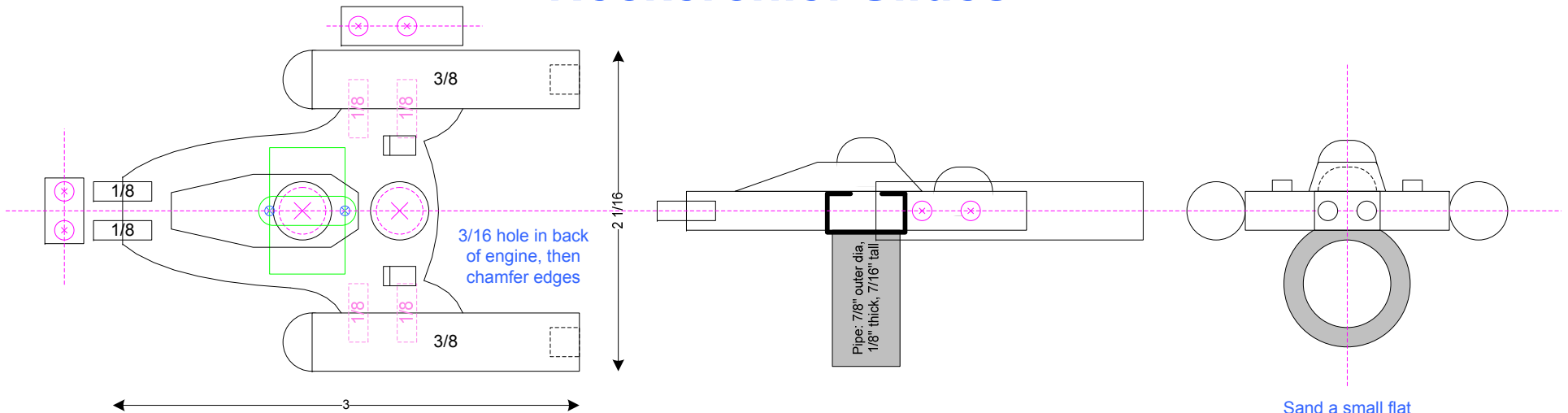


# Project 5: Sample Slide Plan

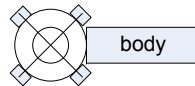
## Tiger Den 7 Ywing Neckerchief Slides



Woodwork Merit  
Badge



Capt. Marc  
Tiger Den 7

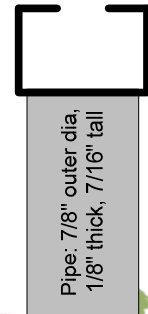


body

After assembly,  
glue 4 toothpicks  
on each engine

### Slide Attachment Notes

- Grey Electrical Conduit Pipe
- Two 3/4" Staples in 1/16" holes + epoxy
- Carve groove in Body top for staple folds, epoxy in place, then sand flat
- Lightly hand sand edges (not too much or it will fall off neckerchief)



Pipe: 7/8" outer dia,  
1/8" thick, 7/16" tall

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