

2010

WOODWORK PROGRAM OVERVIEW & WORKBOOK



GRAND ISLAND SENIOR HIGH SCHOOL

MERIT BADGE UNIVERSITY

OVERLAND TRAILS COUNCIL

7/31/2010

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FEBRUARY 2010

Information in this booklet was accurate at the time of publishing.
Boy Scouts Requirements 2010, Copyrighted Boy Scouts of America
Program Overview & Workbook was reviewed by
MBU Staff/Committee.

WOODWORK PROGRAM OVERVIEW

COUNSELOR: tba

C/O: Overland Trails Council
PO Box 1361
Grand Island, NE 68802-1361

LOCATION: Grand Island Senior High School
Industrial Arts Department
2124 North Lafayette Ave
Grand Island, NE 68801

TRANSPORTATION: Transportation is provided

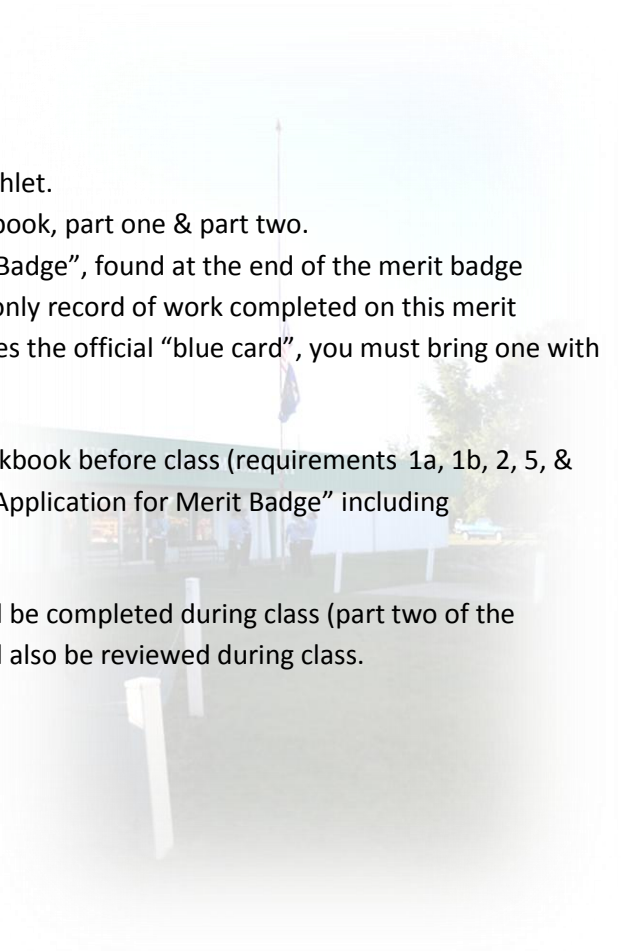
ADDITIONAL COSTS: None

CLASS SIZE: 10

BRING TO CLASS: Woodwork merit badge pamphlet.
Woodwork merit badge workbook, part one & part two.
Signed "Application for Merit Badge", found at the end of the merit badge workbook. (This will be your only record of work completed on this merit badge.) If your Council requires the official "blue card", you must bring one with you to class.

PRE-REQUISITES: Complete Part One of the workbook before class (requirements 1a, 1b, 2, 5, & 6). Complete information on "Application for Merit Badge" including Scoutmasters signature.

CURRICULUM: Requirements 1c, 3, 4, & 7 will be completed during class (part two of the workbook). Pre-requisites will also be reviewed during class.





WOODWORK

Boy Scouts Requirements 2010

PRE-REQUISITE REQUIREMENTS ARE PRINTED IN **ITALICS & RED** MUST BE COMPLETED BEFORE CLASS.

1. **Do the following:**
 - a) **Show that you know first aid for injuries that could occur while woodworking, including splinters, scratches, cuts, severe bleeding, and shock. Tell what precautions must be taken to help prevent loss of eyesight or hearing, and explain why and when it is necessary to use a dust mask.**
 - b) **Earn the Totin'Chip recognition.**
 - c) Tell your counselor what precautions you take to safely use your tools.
2. **Do the following:**
 - a) **Describe how timber is grown, harvested, and milled. Tell how lumber is cured, seasoned, graded, and sized.**
 - b) **Collect and label blocks of six kinds of wood useful in woodworking. Describe the chief qualities of each. Give the best uses of each.**
3. Do the following:
 - a) Show the proper care, use, and storage of all working tools and equipment that you own or use at home or school.
 - b) Sharpen correctly the cutting edges of two different tools.
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 carpentry project. 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.**
6. **Do any TWO of the following:**
 - a) **Make working drawings of a project needing (1) beveled or rounded edges OR curved or incised cuttings, OR (2) miter, dowel, or mortise and tenon joints. Build this project.**
 - b) **Make something for which you have to turn duplicate parts on a lathe.**
 - c) **Make a cabinet, box, or something else with a door or lid fastened with inset hinges.**
 - d) **Help make and repair wooden toys for underprivileged children OR help carry out a carpentry service project approved by your counselor for a charitable organization.**
7. Talk with a cabinetmaker or carpenter. Find out about the training, apprenticeship, career opportunities, work conditions, work hours, pay rates, and union organization that woodworking experts have in your area.

WOODWORK WORKBOOK

PART ONE, PRE-REQUISITIES



Name _____
 Unit # _____ District _____
 Council _____

Part One of the workbook must be completed before class.

Bring the entire workbook (part one and part two) with you to class.

Also bring the "Application for Merit Badge" signed by your scoutmaster (included at the end of the workbook).

<input type="checkbox"/> 1. Do the following:		
<i>1c will be covered in class</i>		
<input type="checkbox"/> a) Show that you know first aid for injuries that could occur while woodworking, including splinters, scratches, cuts, severe bleeding, and shock. Tell what precautions must be taken to help prevent loss of eyesight or hearing, and explain why and when it is necessary to use a dust mask.		
<i>First Aid for:</i>		
<i>Splinters</i>	<table border="1" style="width: 100%; height: 20px;"> <tr><td> </td></tr> </table>	
<i>Scratches</i>	<table border="1" style="width: 100%; height: 20px;"> <tr><td> </td></tr> </table>	
<i>Cuts</i>	<table border="1" style="width: 100%; height: 20px;"> <tr><td> </td></tr> </table>	
<i>Severe bleeding</i>	<table border="1" style="width: 100%; height: 20px;"> <tr><td> </td></tr> </table>	
<i>Shock</i>	<table border="1" style="width: 100%; height: 20px;"> <tr><td> </td></tr> </table>	
<i>Precautions must be taken to help prevent loss of eyesight:</i>		
<table border="1" style="width: 100%; height: 20px;"> <tr><td> </td></tr> </table>		
<table border="1" style="width: 100%; height: 20px;"> <tr><td> </td></tr> </table>		
<i>Precautions must be taken to help prevent loss of hearing:</i>		
<table border="1" style="width: 100%; height: 20px;"> <tr><td> </td></tr> </table>		
<table border="1" style="width: 100%; height: 20px;"> <tr><td> </td></tr> </table>		
<i>When is it necessary to use a dust mask:</i>		
<table border="1" style="width: 100%; height: 20px;"> <tr><td> </td></tr> </table>		
<table border="1" style="width: 100%; height: 20px;"> <tr><td> </td></tr> </table>		

Name _____

1. continued	
<input type="checkbox"/> b) Earn the Totin'Chip recognition.	
<i>Totin'Chip recognition:</i>	
	<i>Initial: date:</i>

<input type="checkbox"/> 2. Do the following:	
<input type="checkbox"/> a) Describe how timber is grown, harvested, and milled. Tell how lumber is cured, seasoned, graded, and sized.	
<i>How timber is grown:</i>	
<input type="text"/>	
<input type="text"/>	
<i>How timber is harvested:</i>	
<input type="text"/>	
<input type="text"/>	
<i>How timber is milled:</i>	
<input type="text"/>	
<input type="text"/>	
<i>How lumber is cured:</i>	
<input type="text"/>	
<input type="text"/>	
<i>How lumber is seasoned:</i>	
<input type="text"/>	
<input type="text"/>	
<i>How lumber is graded:</i>	
<input type="text"/>	
<input type="text"/>	
<i>How lumber is sized:</i>	
<input type="text"/>	
<input type="text"/>	

WOODWORK WORKBOOK, PART ONE, p.3

Name _____

2. continued

- b) Collect and label blocks of six kinds of wood useful in woodworking. Describe the chief qualities of each. Give the best uses of each.

Collect and label 6 kinds of wood

Initial: date:

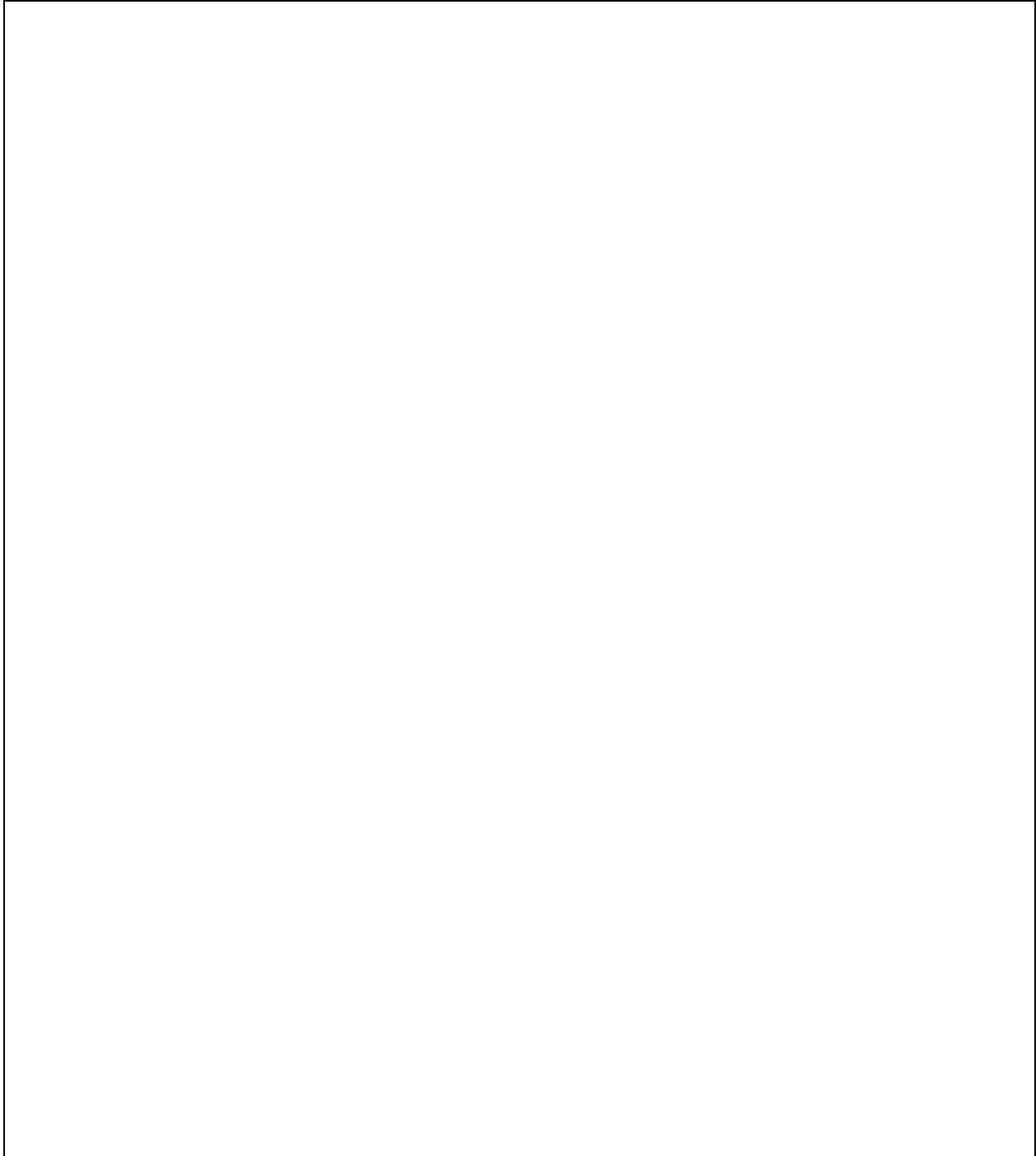
Describe:

<i>Kinds of Wood</i>	<i>Chief Qualities</i>	<i>Best Uses</i>
1		
2		
3		
4		
5		
6		

Name _____

- 5. Create your own carpentry project. 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.

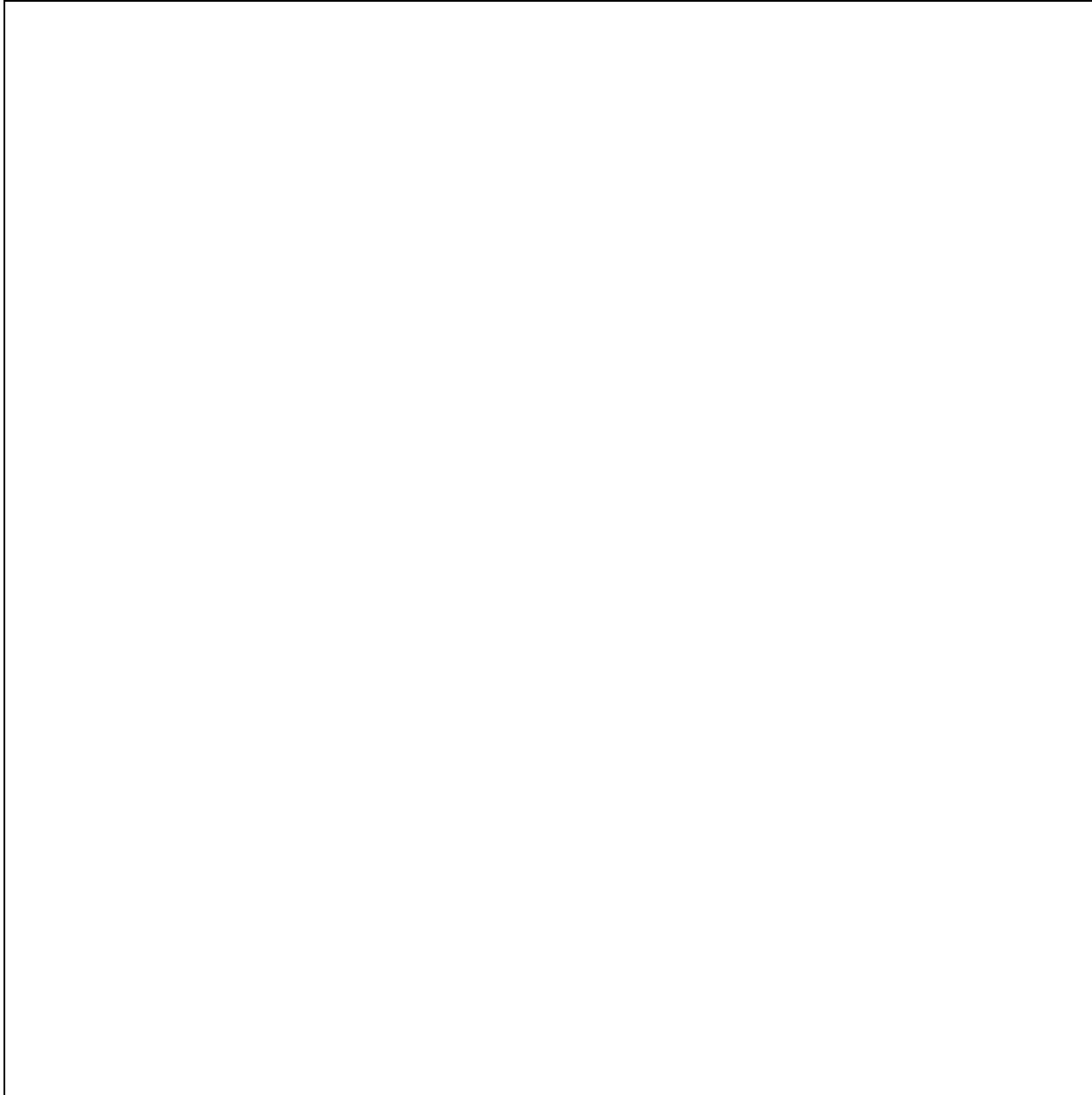
Project drawing:



Name _____

- 6. Do any TWO of the following:
 - a) Make working drawings of a project needing (1) beveled or rounded edges OR curved or incised cuttings, OR (2) miter, dowel, or mortise and tenon joints. Build this project.

Project drawing:



Project completed:

	<i>Initial:</i>	<i>date:</i>
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Name _____

6. continued:	
AND/OR	
<input type="checkbox"/> b) Make something for which you have to turn duplicate parts on a lathe.	
<i>Lathe project:</i>	
<i>Initial:</i> <i>date:</i>	
<i>Comments/notes</i>	
AND/OR	
<input type="checkbox"/> c) Make a cabinet, box, or something else with a door or lid fastened with inset hinges.	
<i>Cabinet, box with inset hinges project:</i>	
<i>Initial:</i> <i>date:</i>	
<i>Comments/notes</i>	
AND/OR	
<input type="checkbox"/> d) Help make and repair wooden toys for underprivileged children OR help carry out a carpentry service project approved by your counselor for a charitable organization.	
<i>Service project:</i>	
<i>Initial:</i> <i>date:</i>	
<i>Comments/notes</i>	



WOODWORK WORKBOOK PART TWO, CLASS CURRICULUM

Name _____
Unit # _____ District _____
Council _____

Part Two of the workbook will be completed during class.

1. Do the following:

1a & 1b are pre-requisites and need to be completed before classtime.

- c) Tell your counselor what precautions you take to safely use your tools.

Precautions you take to safely use tools:

3. Do the following:

- a) Show the proper care, use, and storage of all working tools and equipment that you own or use at home or school.

Proper care:

Proper use:

Proper storage:

Name _____

3. continued
<input type="checkbox"/> b) Sharpen correctly the cutting edges of two different tools.
<i>sharpen correctly the cutting edges of different tools:</i>
1
2

<input type="checkbox"/> 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.
<i>Class project:</i>
Initial: date:

<input type="checkbox"/> 7. Talk with a cabinetmaker or carpenter. Find out about the training, apprenticeship, career opportunities, work conditions, work hours, pay rates, and union organization that woodworking experts have in your area.
<i>Talk with a cabinetmaker or carpenter:</i>
Training:
Apprenticeship:
Career opportunities:
Work conditions:
Work hours:
Pay rates:
Union organization:

ORGANIZATIONS and WEB SITES

(Whenever you go online, be sure you have your parent's permission first.)

Absolutely Free Plans

<http://absolutelyfreeplans.com>

Bureau of Labor Statistics

<http://www.bls.gov/oco/ocos202.htm>

National Association of Home Builders

<http://www.nahb.org>

Sawdust Making 101

<http://www.sawdustmaking.com>

United Brotherhood of Carpenters and Joiners of America

<http://www.carpenters.org>

WoodNet.net

<http://www.woodnet.net/tips>

WoodAone.com

<http://www.woodzone.com>

WOODWORK WORKBOOK

Notes



APPLICATION FOR MERIT BADGE

Name: _____

Address: _____

City: _____

State: _____

Is a registered _____ Boy Scout,
 _____ Varsity Scout,
 _____ Venturer,

of _____ No. _____
Troop, team, crew, ship

District: _____

Council: _____

MERIT BADGE UNIVERISTY

Merit Badge: **Woodwork**

Counselor: _____

Address: Overland Trails Council

PO Box 1361

2808 O'Flannagan

Grand Island, NE 68802-1361

Phone: 308-382-3717

email: mbuotc@yahoo.com

and is qualified to begin working for this merit badge and has completed the following pre-requisite requirements:

SECTION A PRE-REQUISITE REQUIREMENTS

Requirement No. and letter	Date of Approval	Counselor Initial	Requirement No. and letter	Date of Approval	Counselor Initial
1a			6		
1b					
2					
5					

The applicant has personally appeared before me and demonstrated to my satisfaction that he has met all pre-requisites requirements for the above stated merit badge and is ready to attend his assigned MBU class.

Signature of Unit Leader _____ Date _____

SECTION B APPLICANTS RECORD

Requirement No. and letter	Date of Approval	Counselor Initial	Requirement No. and letter	Date of Approval	Counselor Initial
1c					
3					
4					
7					

The applicant has personally appeared before me and demonstrated to my satisfaction that he has completed all requirements in **SECTION B** above for the

Merit Badge: **Woodwork**

Name of Counselor: _____

Signature of Counselor _____ Date _____

SCOUT INSTRUCTIONS

- Complete your name, address, city, unit type & number, district, & council on the Application for Merit Badge.
- Your unit leader must sign the Application for Merit Badge before attending class.
- All other information is already printed on the Application for Merit Badge; please make sure all information is correct.
- The merit badge counselor is registered & approved for this merit badge and is on the MBU Counselor's List.
- Read the merit badge pamphlet.
- Attend the merit badge class.
- Always meet with your counselor along with a buddy (a Scout, friend, or parent)
- Have your merit badge worksheet with you when you attend class.
- **If the merit badge pre-requisites are not completed before class, you will not be able to complete the merit badge during this weekend event, you will have to follow up with your Unit's Advancement Chair when you return home**
- **PLEASE BE AWARE THAT SOME COUNSELORS WILL NOT ALLOW YOU TO ATTEND THEIR CLASS WITHOUT PRE-REQUISITES COMPLETED—CLASS CURRICULUM IS DEPENDENT ON PRE-REQUISITE WORK BEING COMPLETED!**

COUNSELOR INSTRUCTIONS

- Never meet alone with a Scout.
- Verify all information & merit badge name on Application for Merit Badge is correct.
- Sign your name on the line at the bottom of **"SECTION B APPLICANTS RECORD"**.