

Machine Shop Practice Merit Badge Worksheet



Requirement 1

Visit a machine shop, trade school, or a factory using or manufacturing machinery. Observe the benchwork, power equipment, machine tools, and safety devices to protect workers, and make a report this visit.

Date of Visit: _____

Visited: Machine Shop Trade School Factory Using or Manufacturing Machinery

LIST OF BENCHWORK OBSERVED

LIST OF POWER EQUIPMENT OBSERVED

LIST OF MACHINE TOOLS OBSERVED

LIST OF SAFETY DEVICES OBSERVED

List Other Observations: _____

Requirement 2

Name the uses of the following:

Lathe	
Planer	
Shaper	
Power	
Drill Press	

Requirement 3

Name and tell the uses of at least ten (10) of the principal hand tools used by machinists.

#	Name of Principal Hand Tool	Uses
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

Scout Name _____ Unit # _____ Date _____

Requirement 4

Show the divisions of a foot, an inch, a meter, and a centimeter.

- Foot
- Inch
- Meter
- Centimeter

Requirement 5

Make a rough sketch of a ball peen hammer head.

Requirement 6

Demonstrate how to read:

- Vernier
- Micrometer Caliper

Requirement 7

Enumerate ten (10) safety rules to be followed while operating machines.

#	Safety Rules
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

Requirement 8

Demonstrate the operation of a machine in a machine shop, observing the proper safety rules.