



LESSON NOTES

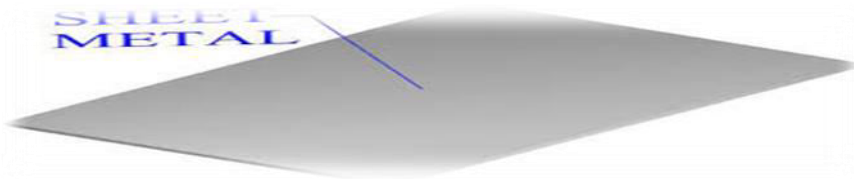
School: Ba Sangam College
Subject: Applied technology

Year/Level: 12
Worksheet 8

Name: _____
Year: _____

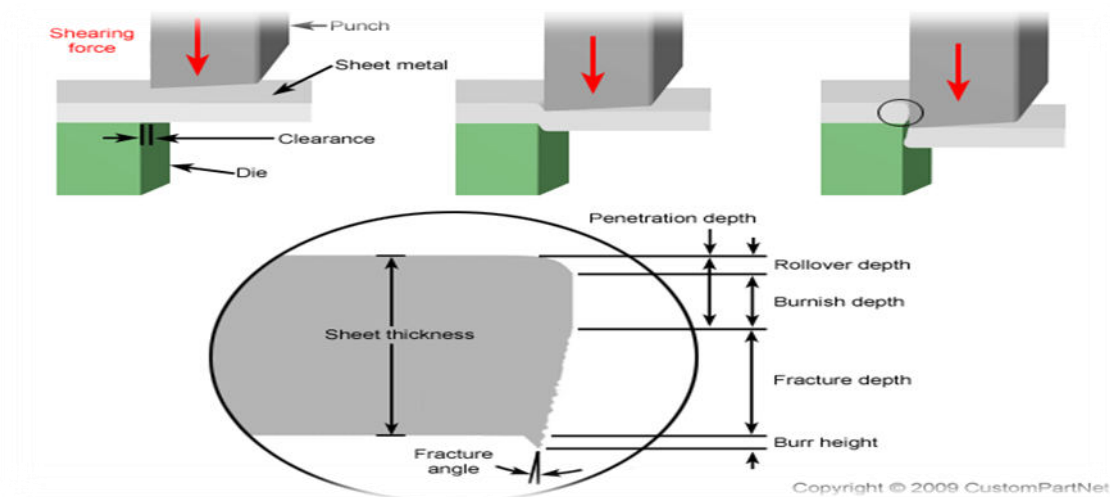
DEFINITION OF SHEET METAL FABRICATION

Is a classification of manufacturing process that shapes a piece of sheet metal into the desired part through material removal and/ or material deformation?



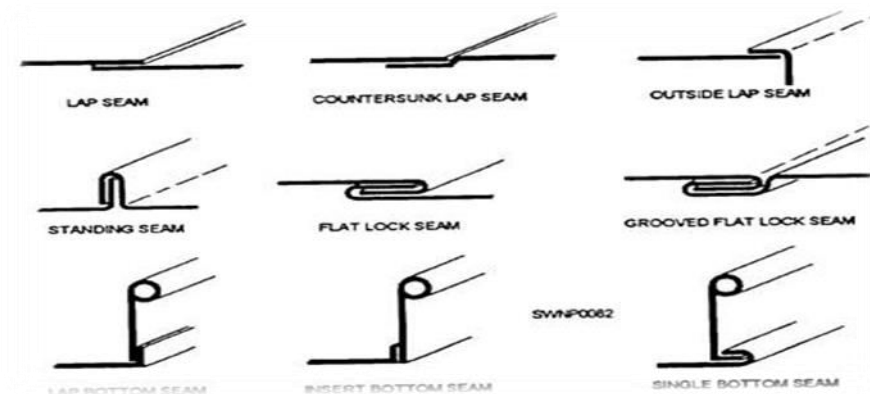
CUTTING PROCESS OF SHEET METAL

Cutting operations involve the separation of the metal of the sheet in certain areas



FORMING PROCESS OF SHEET METAL

Sheet metal is metal formed by an industry process into thin, flat pieces. It is one of the fundamental forms used in metalworking and it can be cut and bent into a variety of shapes.



APPLICATION OF SHEET METAL

Car bodies
Airplane wings
hospital table
Cans

ADVANTAGES OF SHEET METAL

Easy to form complex shapes.
Ease to cut.
It has a high strength.
Easy to make finishes.

DISADVANTAGES OF SHEET METAL

Edges are sharp.
The machines are noisy.
It is expensive

Review question

There are numerous types of edges, joints, seams, and notches used to join sheet metal work.

- (i) State **one** reason for making edges in sheet metal work. **(1 mark)**
- (ii) Use freehand sketches to show a wire edge formed in sheet metal work. **(2 marks)**
- (iii) Explain the method of making lap seam joints in sheet metal work. **(2 marks)**