

METALS I SYLLABUS

MR. FULLER

- 1. Introduction**
 - a. overview
 - b. careers
 - c. classifying metal
- 2. Drawing and Safety**
 - a. measurement
 - b. reading blueprints
- 3. Tools**
 - a. layout tools
 - b. hand tools
 - c. hand tools that cut
- 4. Sheet Metal**
 - a. hand tools
 - b. large equipment
- 5. Drill Presses and Saws**
 - a. uses
 - b. different styles
- 6. Welding**
 - a. terminology
 - b. safety
 - c. MIG/Arc
- 7. Precision Measurement**
 - a. fractions of an inch
 - b. using/reading precision tools
- 8. Lathe**
 - a. uses
 - b. safety
 - c. tooling
- 9. Tap and Die**
 - a. purpose
 - b. classification
- 10. Torch and Plasma Cutter**
 - a. proper use
 - b. hazards
- 11. Milling Machine**
 - a. uses
 - b. tooling
- 12. Lab Work (*Quarter 2/4*)**

Please note: This class during the second/fourth quarter is project oriented and grades may not be posted on the parent portal on a weekly basis. In addition due dates may seem different in relation to other classes. Thank you for your understanding.