1.2: Introduction to Technical Sketching & Drawing

• 11 Days

• 1.2.1 Basic Line Conventions
• 1.2.2 Pictorial Sketches
• 1.2.3 Introduction to Multi-view Drawings
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Lesson Plans:
- Study Guide 1.2
- Essential Questions 1.2
- PowerPoint 1.2: Line Conventions
- PowerPoint 1.2.1: Isometric Sketches
- Activity 1.2.1: Isometric Sketches
- PowerPoint 1.2.2: Oblique Sketches
- Activity 1.2.2: Oblique Sketches
- PowerPoint 1.2.3: Perspective Sketches
- Activity 1.2.3: Perspective Sketches
- PowerPoint 1.2.4: Multi-view Sketches
- Activity 1.2.4: Multi-view Sketches
- Worksheet 1.2: Word Search
- Worksheet 1.2: Cross Word Puzzle
- Quiz 1.2: Key Terms
- Daily Review at Beginning of Class
1.2: Introduction to Technical Sketching & Drawing

Essential Questions:
1. Why is sketching an important engineering skill?
2. What is the difference between sketching and drawing?
3. What does the term *isometric sketch* mean?
4. What does the term *oblique sketch* mean?
5. What is perspective sketching?
6. What advantages do pictorial drawings have over multi-view drawings?
7. What are the three main views of a sketch or drawing that are required to depict an object?
8. Why should you not erase construction lines?
9. If you are given an object with an unknown function and told to create a sketch of it, how would you determine what the front view would look like?
10. What is orthographic projection?