

Orthographic and Isometric Lesson





Curriculum

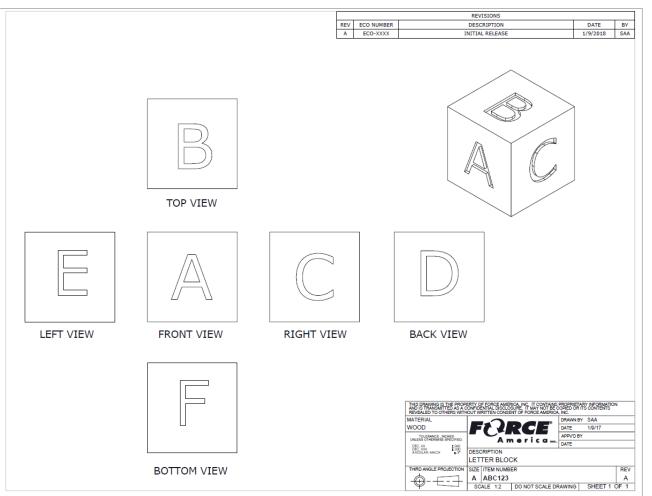
- Plot Frame Criteria and Purpose
- Orthographic view creation and methods
- Isometric view creation and methods
- Hidden lines and how they are used
- Practice exercises for both views



Plot Frame Criteria

		REVISIONS	1
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	A		1/10/2018
Revision Level			
Engineering Change Or	rder Number——/		
Short Description of Ch	nange	/	
Date of Change		/	
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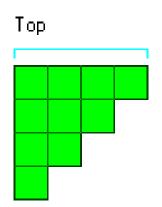


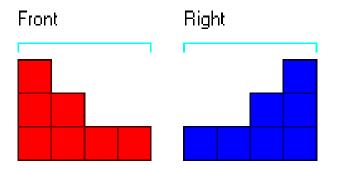




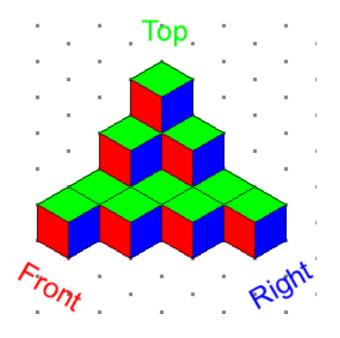
Orthographic View

Orthographic Projection

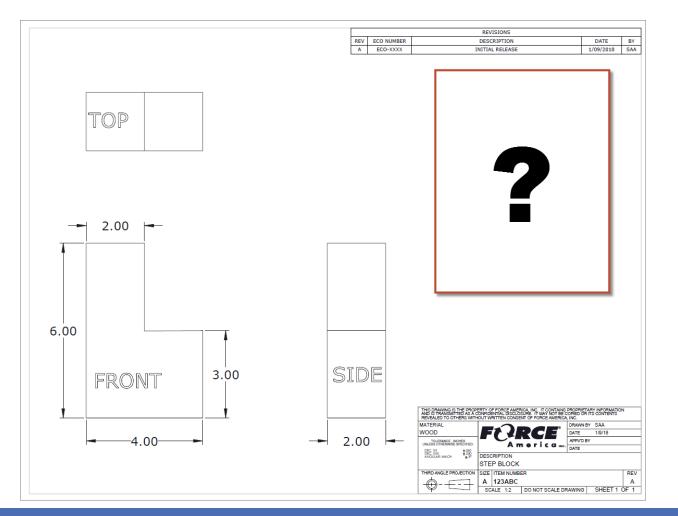




Isometric View

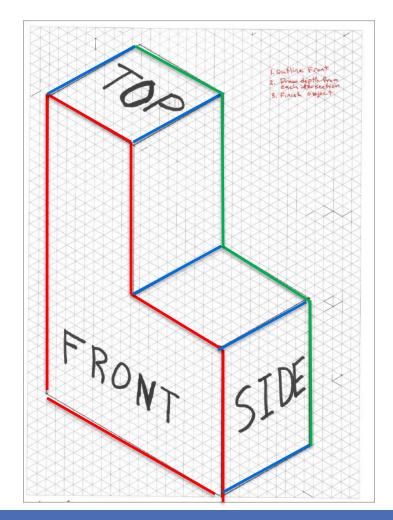






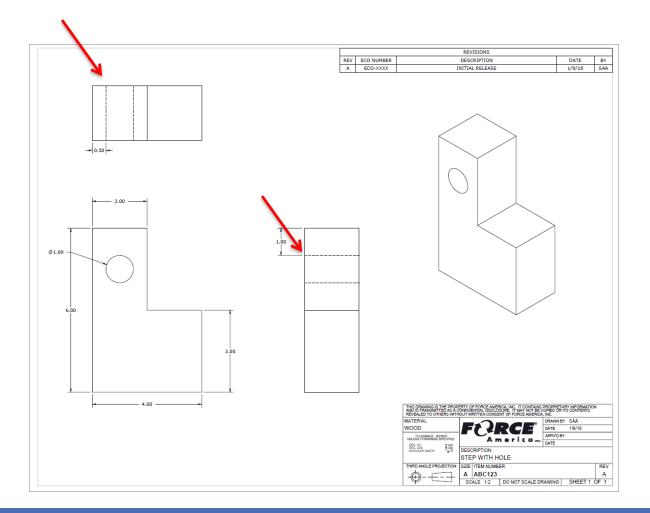


Isometric View





Hidden Lines







- Drawings should have enough defining information listed
- Orthographic projections shows 2D view of a specific side and should line up as if the item was being unfolded
- Isometric shows a 30 degree offset view
- Hidden lines are dashed lines in orthographic projections
- Teachers will have some additional opportunities to work on these items.



Ending Notes



<u>Additional Problems:</u> <u>http://www.gr8lessons.com/files/Ortholso.pdf</u>

http://www.msamc.org/assets/unit05_8_orthographic_projection_exercises.pdf