

# **Orthographic and Isometric Lesson**





# Curriculum

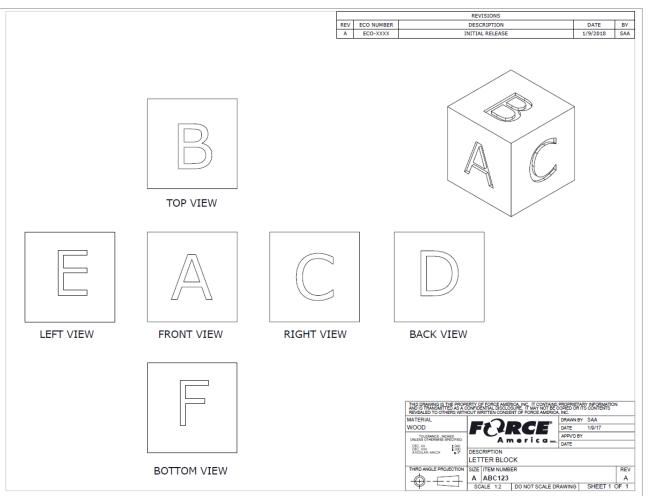
- Plot Frame Criteria and Purpose
- Orthographic view creation and methods
- Isometric view creation and methods
- Hidden lines and how they are used
- Practice exercises for both views



# **Plot Frame Criteria**

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	REV ECO NUMBER	DESCRIPTION	DATE BY
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Revision Level			
Engineering Change Or	rder Number——/		
Short Description of Ch	nange	/	
Date of Change		/	
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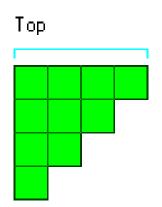


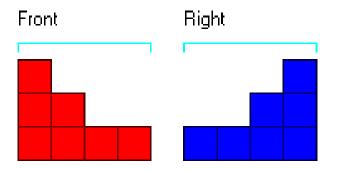




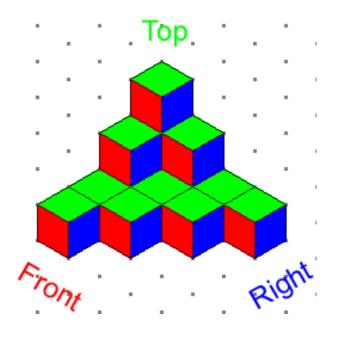
### **Orthographic View**

#### Orthographic Projection

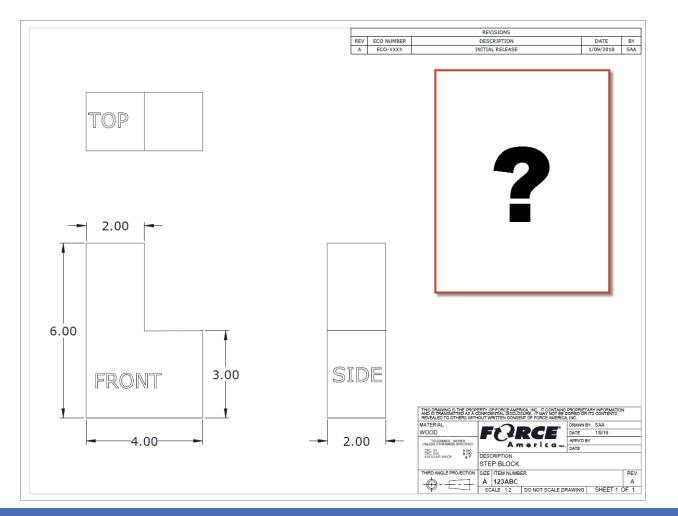




#### **Isometric View**

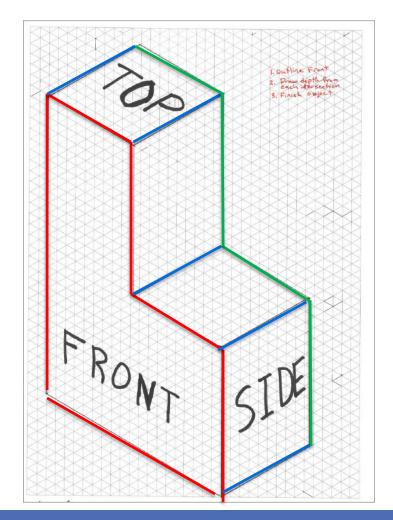






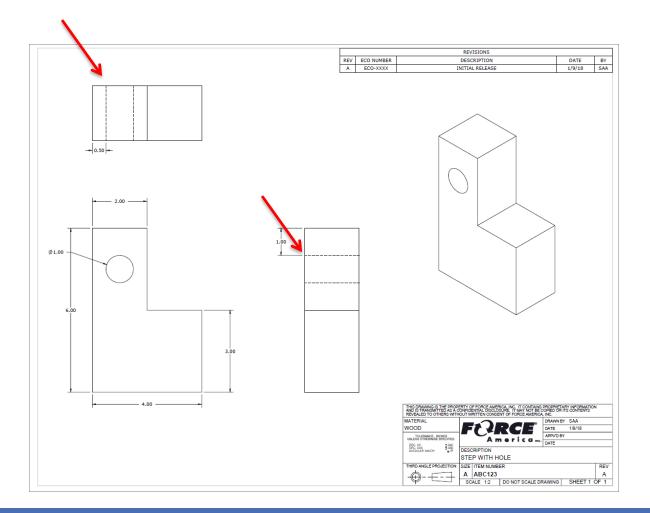


## **Isometric View**





## **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