**Drafting 20 Isometric Projects**

**Definition:** Taking the three views of orthographic to make an isometric projection or a 3-D image,

1. **Review (basic)** video on Isometric: <https://www.youtube.com/watch?v=tvGoN4XFlrk>

**2. Practice – as she shows you the steps....** <https://www.youtube.com/watch?v=7-BzAnamtro>

Online graph paper and drawing tool:

 <https://www.nctm.org/Classroom-Resources/Illuminations/Interactives/Isometric-Drawing-Tool/>

Or...if this works better

You may use/print/download  **Isometric** **Graph Paper**: <https://www.teachengineering.org/content/cub_/activities/cub_spatviz/cub_spatviz_lesson01_activity1_isometric-paper.pdf> (this graph paper enables us to get the correct angles for isometric}

**3. Isometric drawing 1** – Title: The Doorstop <https://www.youtube.com/watch?v=AA1Vxc5_nUI&t=10s>

**4. Isometric drawing 2 -** Continue practice ☺ Engineering 6 – Isometric Sketch Exercise

<https://www.youtube.com/watch?v=sSuyM60s7eA>

**5. Matching** – take the three views(orthographic) & match them with the correct isometric 3-D image

Isometric matching worksheet: **see the next page**

**6. Drawing Projects for isometric: You may complete these on the paper grid that is given in each questions.**

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| **Isometric 1 Drawing**iso part 1.jpg |
| iso part 2.jpgSelf check...does yours look like this? ☺ MarnzIsometric 2 Drawing - you can use this box that is given to you or isometric graph paper or the Illuminations. |
| iso med step 1.jpg |
| Handwork Hints and Help ☺ iso med step 3.jpg iso med step 2.jpg Voila!**TRY THESE!!!!**  WITH GRAPH PAPER OR Illuminations or print this out.isometric examples to draw.jpg |

Isometric Matching Project for Drafting 20 (Question 5)

