

1-1 Nets and Drawings for Visualizing Geometry

**DISCLAIMER:** These resources are not created or maintained by GeometryCoach.com. Links should always be verified before students are allowed to freely click on them.

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| **Video Lesson** | <https://youtu.be/HXK3ALZKCV8>*This video will show you how to make simple isometric, orthographic, and foundational drawings in 3-D.*An **isometric drawing** is a way of representing a 3-D figure from a corner view showing 3 sides with the angles between the 3 axes equal.An**orthographic drawing** is a way of showing a 3-D object in 2-D by showing a front, top, & right side view of the object.A **foundational drawing** shows the base of each figure & the height of each part with a number. |
| **Video Lesson** | <https://www.youtube.com/playlist?list=PLnIkFmW0ticPuWYGxtBqszq8Q22P0MG02>This video will show you how to utilize net drawings to represent 3-D figures. |
| **Illuminations Interactive Online Activity** | <http://illuminations.nctm.org/Activity.aspx?id=3521>Students can create and manipulate and print of common nets. GREAT SOFTWARE!! |
| **Khan Academy Quiz** | <https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-geometry-topic/cc-6th-surface-area/e/surface-area> |
| **YouTube Lesson** | <https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-geometry-topic/cc-6th-surface-area/v/nets-of-polyhedra> |