

Lesson #4: Visualization

Objectives

Students will be able to...

- Demonstrate their ability to visualize a two-dimensional structure.

Common Core Standards

LS 11-12.6
RSIT 11-12.2
RLST 11-12.2
Problem Solving and Critical Thinking 5.1
Health and Safety 6.0
Technical Knowledge and Skills 10.0, 10.1, 10.2, 10.3
Cabinetmaking and Wood Products Pathway A1.8, A1.9, A4.4, & A 6.1
Residential and Commercial Pathway D 2.1, D3.1, D3.2, D3.3, D3.4, D3.5, D3.6, D3.7

Materials

Visualization Activity

Lesson Sequence

- Discuss with students again the fact that with time and experience a carpenter, woodworker, or tradesperson will be able to visualize the two-dimensional structure illustration on a blueprint into a three-dimensional structure. This sometimes takes time to develop. Review and model how this can be done. (10 minutes)
- Pass out the *Visualization Activity* and have students complete this independently. Collect. (25-30 minutes)
- Students may work on any unfinished work if extra time.

Assessment

Grade the visualization activity and use this data to show skill set mastery.

Accommodations/Modifications

One on One Support
Check for Understanding
Extra Time If Needed

Visualization Activity

In each of the rectangles are two view diagrams (top and front) of each of the objects below. Inside the empty circle in each of the rectangles, place the number of the correct object below that matches the view diagrams.

