

Lesson #4: Adhesives/Glues

Objectives

Students will be able to...

- Identify different types of adhesives and their uses.

Common Core Standards

Cabinetmaking and Wood Products Pathway

A1.4, A1.7, A2.1, A2.2, A3.1, A2.3, A6.1, A6.2 A3.4, A6.7, A4.1, A5.1, A5.2, & A5.4

Residential and Commercial Pathway

D2.1, D2.2, D3.1, D3.3, & D4.1

Reading 11-12.4

Writing 11-12.1

RIST 11-12.2

Problem Solving/Critical Thinking 5.4

Health and Safety 6.2, 6.3, 6.6, & 6.12

Responsibility and Leadership 7.4 & 9.3

Demonstration and Application 11.1

Technical Knowledge and Skills 10.1, 10.2, & 10.3

Materials

Adhesives Power Point

<https://documentcloud.adobe.com/link/track?uri=urn%3Aaaid%3Ascde%3AUS%3A0cbe555f-1c82-413e-901d-2ea682924c20>

The Types of Adhesives Chart Worksheet

YouTube video <https://www.youtube.com/watch?v=WJe4Lwi1GhM>

Lesson Sequence

- Review *Adhesives power point*. Have students fill in the *Types of Adhesives Chart Worksheet* while you go through the power point. Check for student understanding. At the end of the power point have a class discuss about the table-fill in any missing information as needed. (40 minutes).
- Watch *YouTube video* <https://www.youtube.com/watch?v=WJe4Lwi1GhM> Answer any questions students may have. (10 minutes)

Assessment

Informal assessment throughout lesson by random questioning and checking for understanding. Collect charts students filled in and assess their understanding of the information.

Accommodations/Modifications

Check for Understanding
One-on-One Support
Peer Support
Have a chart already filled in for students who have difficult time copying information from the board.

Unit Four: Wood, Fasteners and Tools

Types of Adhesives Chart

Type	Example	Uses	Pros	Cons or safety issues	Clean-up
Animal					
Hide Glue					
Synthetic					
PVA – White/Yellow glues					
Polyurethane					
Epoxy					
Cyanoacrylate					
Contact adhesive					