



# 3055 BA SANGAM COLLEGE

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## WORKSHEET NO: 8

### LESSON NOTES:

### INDUSTRIAL ARTS DEPARTMENT LESSON PLAN

<b>Subject:</b> Applied Technology	<b>Year/Level:</b> 11
<b>Sheet 8</b>	<b>Date:</b> 19/07/21
<b>Topic:</b> Carpentry and Joinery (Corner Joint)	

### LEARNING OBJECTIVES:

At the end of the lesson, students should be able to:

- Know and understand the uses and application of the different types of corner joints.
- Identify and recognize the types of joints that come under corner joints.
- Identify the application of these different types of joints in woodwork.
- Demonstrate hands-on skills when preparing corner joints.

### LESSON NOTES:

#### Angle or Corner Joint

These joints are used in the construction of boxes and plinth, etc., where the piece are joint with their faces at right angles.

#### Butt Angle Joint

This is the cheapest type of construction. The ends are cut square, butted and nailed together at right angle; it is used in the construction of cheap boxes, packing cases, etc

#### Shoulder Butt or Rebated Butt Angle Joint

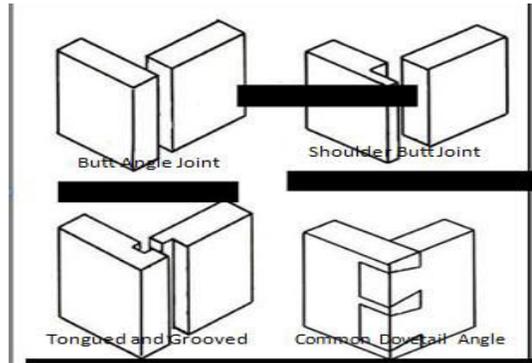
This is a better type of construction. The end of one piece is fitted and nailed into a rebate cut on the other. It has the disadvantage of having one face free of nail holes and, if glued, provides a strong, neat joint. It is used for boxes, plinths, cheap drawers.

**Tongued and Grooved Angle Joint**

When glued and cramped together, this is a strong joint showing no nail holes. It is used extensively for cabinetwork, plinths, carcass ends, etc.

**Common or Through Dovetail Angle Joint**

This is possibly the strongest form of angle joint. Sockets on the other piece. The more dovetails the stronger will be the joint. Used in construction of strong boxes, tool chests and joints where strength is the main requirement.



**STUDENTS ACTIVITY:**

1. Where are corner joints mostly used?  
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2. Briefly explain how Butt Angle joint is constructed.  
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3. Based on the four corner joints given, which one from the four corner joints is used extensively for cabinet work?  
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4. Raju wants to construct a very strong tool chest for his tools. Which corner joint will Raju use to construct a very strong tool chest?  
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