**WEEK 6 YEAR 12 APPLIED TECHNOLOGY**

**STRAND: APPLIED ENGINEERING**

**CARPENTRY & JOINERY**

**LESSON 36: BUTT HINGES**

**LEARNING OUTCOME: IDENTIFY THE TYPES OF BUTT HINGES**

* May have wide or narrow flanges called broad butts of narrow butts depending on thickness of timber.
* Butt hinges are used for hanging doors and hinging lids, where the flanges are let into recesses (grains) cut into the abutting edge of the doors and cabinet car case

****

**LESSON 37: BACK FLAP**

**LEARNING OUTCOME: IDENTIFY THE TYPES OF BACK FLAP HINGE**

1. Strap & Tee
* Screwed to the face of the job and are used for external jobs such as garage doors, ledge and brace doors, gate & step ladders



1. Double Action Screen
* For folding screen allowing 360◦ rotation



1. Ornament & Semi Concealed
* All or portion of the hinge is screwed to the face and is visible, for lip or flush doors of kitchen and bathroom cabinets



**LESSON 38: FITTING HINGES**

**LEARNING OUTCOME: IDENTIFY THE PROCESS OF FITTING HINGES**



**LESSON 39: LOCKS**

**LEARNING OUTCOME: IDENTIFY THE TYPES OF LOCKS**

1. Straight Lock
* A cheap type with screw flat on the inside face of the drawer or door
1. Cut Lock
* Stronger & neater, being let into cut recesses in the back of the drawer or the door
1. Mortise Locks
* Fitted into a mortise cut in the edge of the door or drawer
1. Box Lock
* Used for lids of boxes & desk tops
* The key operates two plungers which engaged in slot of projecting lugs on the strike plates



**LESSON 40: FITTING A DRAWER LOCK**

**LEARNING OUTCOME: IDENTIFY THE PROCESS IN FITTING A DRAWE LOCK**

****

**ACTIVTIY**

1. Name any two types of hinge
2. State the two types of back flap hinge
3. What hinge is suitable for a ledge & brace door?
4. Name the four types of locks
5. Identify the lock that is fitted in a mortise

**WORKSHEET**

|  |
| --- |
| **Name the following** |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |