Carpentry Station Cheat Sheet   
Get the 2 totes from the Cupboard in the classroom & 3 drills with Robertson bits



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| **Frame Layout** | * YOU will have to have 3 different piles of wood (7 pieces each) prepped and ready to go. Each pile will consist of the 2x4 top & bottom plates and 5 2x4 studs the same length * YOU grab 6 2x4s that are longer than 4ft but are the SAME length for the top and bottom plates. If there are too many nail holes, cut off 1 ½ inches on both ends with the mitre saw. * Grab 15 matching studs for use by students to be divided into 3 groups of 5. If too many nail holes cut both ends off 1 ½ inches. These need to be the exact SAME length!! * On the top and bottom plates layout where the studs go as per the video at 16” on centre. * Each student in the group will nail **ONE** stud in place on the top and bottom. * Show them how to nail properly and hold the 2x4 in place by standing on the pieces they will nail |
| **Screw in blocking** | * Get a premade frame from under the covered area if there is one OR make one yourself. * You will need 15 blocks of wood for the day. Make sure they are ALL the SAME length. * IF YOU HAVE TO MAKE A FRAME - The easiest way to assemble the frame with the correct stud spacing is to put 2 blocking pieces at the top/bottom then nail the stud into place, then remove the blocking * You need #2 Robertson driver bits (Red ones) and 3inch screws * Students will measure up from bottom plate on both sides * Use speed square to draw a straight line * Put 2 screws in from each side * Do not sink screws in too far…use clutch on drill   EXPLAIN – You do this to keep spacing equal if 2x4s are warped |
| **Nail hammering contest** | * Nail 3 2x4s together that are 3ft long with 6 nails from each side. Install 2 more 12inch 2x4s 90 degrees to the 3ft ones with screws as “feet” to support the block of wood off the ground * Have students do a “nail hammering contest” at the end before moving onto the next session. |
| **Tools** | **Speed Square Framing Square**  **Image result for framing  square**  **Claw Hammer Nail Puller**    **Tape Measure Tool Belt**  **Image result for tape measure**  **Cordless Drill or Driver Magnetic Sweeper**    **Image result for magnetic sweeper** |