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
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| **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.
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| **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** |