

(20 pts) Approx. 3 days

The last part of this unit gets you into the Makerspace to build a wooden model of your BlockPerson. Before you're able to work in the Makerspace though, you need to pass all four safety quizzes with a score of 100%. We'll start by watching the short safety videos and taking the safety quizzes on the website. When you have earned 100% on all four of them, it's time to plan out how you want to build your Ms. BlockWoman/Mr. BlockMan.

Keep in mind that your final BlockPerson needs to be between 6" and 12" in overall height. Get your plan approved by Mr. Benshoof and get building in the workshop! If you have extra time, you can decorate your model by painting it to give it more detail.

1. Watch and take notes on the four safety videos: "Hand Tool Safety", "Saw Safety", "Drill Safety" and "Sander Safety".
2. Take all four safety quizzes. You can use your notes on the quizzes, but you cannot work with other students. You must earn a 100% score on each of the four safety quizzes before you can work in the Makerspace.
3. Make a plan for building your BlockPerson out of wood. The final BlockPerson should be between 6" and 12" in overall height. Write out your plan in your engineering notebook, including what size pieces of wood you'll need, how you'll cut them, and how you want to attach them to each other (glue, screws, nails?).
4. Have your plan approved by Mr. Benshoof before you start to build.
5. Build your BlockPerson in the makerspace!

Part 3: Tasks	5 points	4-3 points	2-1-0 points
 Safety Notes & Quizzes	+ You should have 1 page of safety notes that cover all 4 topics + You should have earned 100% on all 4 quizzes	N/A	0 points only if: - Incomplete notes - Not all 100% on safety quizzes
 Plan for Building	+ Your plan includes a picture + Your plan includes dimensions + Benshoof approved your plan	- Picture or dimensions missing - Benshoof's approval missing	- Missing multiple parts - No written plan
 BlockPerson Build	+ Your BlockPerson is between 6" and 12" in overall height. + Your BlockPerson is securely assembled (it's sturdy) + Your wooden BlockPerson looks like your 3D printed BlockPerson	- Your BlockPerson is the wrong size - Your BlockPerson is not sturdy - Your wooden BlockPerson has significant differences from your 3D print	- Diagram is missing multiple parts - Diagram is missing - Your wooden BlockPerson does not look like the original 3D print
 Deadline	+ Your wooden BlockPerson, 3D printed BlockPerson, and all 4 diagrams are complete by September 8, 2017	N/A	0 points only if: - Your BlockPerson parts are not complete by the deadline
Bonus Achievement			
 Achievement	+ You can earn an achievement in this unit by having your work completed by the due date, and by having made an extra effort to decorate, design, or improve your Block Person beyond the simple wooden model.		

