Unit 3.1 Playlist - Onshape Build it - Legos

Estimated Time = 90 minutes

Directions:

Follow the playlist! Every time you complete an activity, move the pin representation of class each day, Copy & Paste the pushpin representation of the last 5 minutes of class each day, Copy & Paste the pushpin representation of the last 5 minutes of class each day, Copy & Paste the pushpin representation of the last 5 minutes of class each day, Copy & Paste the pushpin representation of the last 5 minutes of class each day, Copy & Paste the pushpin representation of the last 5 minutes of class each day, Copy & Paste the pushpin representation of the last 5 minutes of class each day, Copy & Paste the pushpin representation of the last 5 minutes of class each day, Copy & Paste the pushpin representation of the last 5 minutes of class each day, Copy & Paste the pushpin representation of the last 5 minutes of class each day, Copy & Paste the pushpin representation of the last 5 minutes of class each day, Copy & Paste the pushpin representation of the last 6 minutes of class each day, Copy & Paste the pushpin representation of the last 6 minutes of class each day, Copy & Paste the pushpin representation of the last 6 minutes of class each day, Copy & Paste the pushpin representation of the last 6 minutes of class each day and class each day and class each day are considered to the last 6 minutes of class each day and class each day are class each day and class each day are class each day and class each day are class ea

Topic/Instruction	Topics/Questions	Student Resource or Links	Pacing & Progress
READ the Summary and Pacing Guide	Unit GoalsLesson DescriptionsSuggested Pacing	Summary and Pacing Guide	
Complete the Peardeck!	Peardeck: What is an Engineer? Formative: 2C - Creative Communicator (Do NOT need to submit when done)	Student Join Link	
Copying the Onshape Document for Unit 3	 Open Onshape: https://fcps.onshape.com/c/signin Open the <u>Student Guide</u> Make a Copy of the Onshape doc→ 	Intro to CAD - 3.1-3.4 - Onshape Power Tools Rename to: "3.1-3.4 - Onshape Power Tools - [Your First Name]".	

Additional Support	This is a HELPFUL YouTube Playlist of Step by step for struggling students PLEASE! Use this when you are struggling! Open the link and check out the resources!	Youtube Playlist for Unit 3	
OPEN Unit 3 Onshape Document	 Open Onshape Open your copy of "3.1-3.4 - Onshape Power Tools - [Name]". Share the link/URL to your Onshape Document! 	Link to student onshape Document:	
3.1 How the Pros Do It	Topics Rectangular extrusion Design intent 2D sketches to create 3D Workspace units New CAD Skills Variables Shell Creating mate connector Linear pattern	Complete 3.1 → Steps 1-8	Step # 9
Screenshot	Post a Screenshot of your box after you complete step 8	Student Screenshot:	

STOP & CHECK	Stop! Check in and have a short discussion with MS. McGaughey		
Continue in Onshape!	3.1 How the Pros Do It	Complete 3.1 → Steps 9 - 17	Step # 12
Screenshot	Post a Screenshot of your box after you complete step 17	Student Screenshot:	
Formative	Formative: 1B Make sure you have applied the material "ABS (density 0.001 g/mm³)". Use the mass properties tool to find the mass of your brick. What is the mass?	Student Answer:	

STOP & CHECK	 Stop! Check in and have a short discussion with MS. McGaughey! With Ms. McG you will discuss 3.1, check in and (for a Grade) make sure your answer to the exit ticket above is correct!
YOU DID IT!	GREAT JOB!
SUBMIT!	Submit this playlist when everything above is complete!