Assignment Sheet   2021 - 2022

Make 1 & Make 2:

Due	Assignment Description/Instructions
Thu 8/12	Business card tower activity
Fri 8/13	Scribblebots activity
Mon 8/16	Google Classroom welcome poll Inkscape Intro assignment
Tue 8/17 Wed 8/18	5 kinds of trash document, review and tell me you read it via the Google Classroom
Tue 8/17 Wed 8/18	Inkscape #1 lesson, see PDF in Google Classroom. Do the Exercises section on page 4 in a new document. You do not need to save all of your work that you may have done before you get to page 4. The only thing you need to turn in is the work under the Exercises section on page 4. (You do not need to share with a classmate, and you do not need to do the Bonus Exercises; but feel free to if you want.)
Thu 8/19 Fri 8/20	First Laser project assignment
Mon 8/23	Cubby box: scale drawing on graph paper
Tue 8/24 Wed 8/25	Cubby box: scale model made of manila folder
Thu 8/26 Fri 8/27	Cubby box: cut and glued together, all done
Thu 8/26 Fri 8/27	Inkscape #2 lesson. Work your way through the lesson PDF, then do the assignment noted on the last two pages.
Tue 8/31 Wed 9/1	Name sticker project
Tue 8/31 Wed 9/1	Path-Union project
Thu 9/2 Fri 9/3	Tinkercad intro lessons & heart button STL file, see PDF on Google Classroom

Tue 9/7 Wed 9/8	Inkscape node-edit assignment
Tue 9/7 Wed 9/8	Build a rocket out of a manila folder
Thu 9/9 Fri 9/10	Rockets worksheet
Thu 9/9 Fri 9/10	Trace Bitmap Inkscape activity
Mon 9/13	Tinkercad Cube activity
Tue 9/14 Wed 9/15	Tinkercad Letter assignment (Make 1) Tinkercad assignment (Make 2) Inkscape Practice #3 (Make 1)
Thu 9/16 Fri 917	Inkscape 4 (Make 1 and Make 2, except Make 2 students who used Inkscape extensively pre-pandemic) Tinkercad Room assignment (Make 1) Talent Inkscape sign assignment (Make 2)
Mon 9/20	Inkscape Grab Bag (all students)
Thu 9/23 Fri 9/24	Tinkercad keychain (Make 1) Tinkercad first 3d print object (Make 2)
Thu 9/23 Fri 9/24	Matte bottle drop activity (Make 1 and Make 2)
Tue 9/28 Wed 9/29	3 x 3 sticker (Make 1 and Make 2)
Tue 9/28 Wed 9/29	Tinkercad Mechanical Action Scene project (Make 1 and Make 2)
Thu 9/30 Fri 10/1	Raster image laser project (Make 1 and Make 2, unless you took Make 1 before we moved to Zoom classes).
Thu 9/30 Fri 10/1	WC Creature design

Mon 10/4	Origami Frog Experiment
Tue 10/5 Wed 10/6	Tinkercad Shadow 1 assignment
Thu 10/7 Fri 10/8	Heat press vinyl experience
Tue 10/12 Wed 10/13	Tinkercad Shadow 2 assignment
Thu 10/14 Fr15 10/8	Wood box project
Mon 10/18	New PCs, new Inkscape assignment
Tue 10/26 Wed 10/27	3 Day Awesome 3D assignment (Progess must be made on three days, see PDF for details)
Tue 10/26 Wed 10/27	2 color sticker (Inkscape files due Thursday 10/21 Friday 10/22)
Tue 10/26 Wed 10/27	First CNC project
Thu 10/28 Fri 10/29	Inkscape Break Apart activity
Thu 10/28 Mon 11/1	Halloween activity
Tue 11/2 Wed 11/3	Tinkercad Key (Make 1 only)
Tue 11/9 Wed 11/10	Make 1 and Make 2: simple inlay project
Tue 11/9 Wed 11/10	Make 1: Tinkercad Thingie
Tue 11/16 Wed	Class creation (triangle) project

11/17	
Thu 11/18 Fri 11/19	Make 2: build a chair
Thu 11/18 Fri 11/19	Three-bottle carrier project
Thu 11/18 Fri 11/19	Tinkercad Thanksgiving Food creation
Thu 11/18 Fri 11/19	Write a thank you note
Thu 12/2 Fri 12/3	Holiday ornament Inkscape file done and turned in
Tue 12/7 Wed 12/8	Last Fall Sticker Inkscape file due
Thu 12/9 Fri 12/10	Last Fall Sticker completed
Thu 12/9 Fri 12/10	Holiday ornament completed
Thu 12/9 Fri 12/10	Letter tower completed
Thu 12/9 Fri 12/10	Tinkercad Practice
Thu 12/9 Fri 12/10	Inkscape skills review
Mon 12/13 Tue 12/14	Group tower project
	Final Block Period 4th period: Thursday 12/16 8:30 to 10:30 am 5th period: Friday 12/17 8:30 to 10:30 am

	One hands-on activity and two computer-based activities to be done during the final block period.

Second semester:

Thu 1/6 Fri 1/7	Webb telescope model in Tinkercad
Tue 1/11 Wed 1/12	Resume, draft 1
Thu 1/13 Fri 1/14	7 x 9 project draft laser cut by end of this class
Thu 1/20 Fri 1/21	7 x 9 project completed
Tue 1/18 Wed 1/19	3D arm project, part 1
Tue 1/25 Wed 1/26	3D arm project STL file turned in and sent to 3D.makerlab@wscuhsd.org
Tue 2/1 Wed 2/2	West County High School Spirit Sticker
Tue 2/1 Wed 2/2	3D arm completed, assembled, mounted on the wall
Wed 1/26	5th period only: 3D Car Antenna Ornament
Thu 1/27 Fri 1/28	3D Sphere-Cylinder Creation assignment
Thu 2/3 Fri 2/4	Spirit Sticker voting (must be done during class period to receive credit.)
Thu 2/3 Fri 2/4	Solar day 1, diagram of basic system in notebook

Thu 2/3 Fri 2/4	Make 2: West County World sign design
Mon 2/7	Instructables project search
Tue 2/8 Wed 2/9	Tessellation project
Thu 2/10 Fri 2/11	Valentine's Project
Thu 2/10 Fri 2/11	3D Printing Dos and Don'ts project
Tue 2/15 Wed 2/16	Solar Day 2: Basic DC Circuit design
Tue 2/15 Wed 2/16	Toothpick bridge project, brainstorming, researching, and beginning construction
Thu 2/17 Fri 2/18	Solar Day 3: Google Form: volts, amps, watts, charge
Thu 2/17 Fri 2/18	Toothpick bridge project, finish construction, contest: which is the strongest?
Tue 2/22 Wed 2/23	Popsicle stick bridges
Thu 2/24 Fri 2/25	Diamond grid design project
Mon 2/28	Fidget spinner
Mon 2/28	Inkscape letter play
Tue 3/1 Wed 3/2	Tinkercad slicer project
Tue 3/1 Wed 3/2	Solar Day 4: Exploring Loads Google sheet

Thu 3/3 Fri 3/4	Solar Day 5: Refining Loads Google sheet
Mon 3/7	Solar Day 6: System diagram (Tinkercad or Inkscape)
Tue 2/8 Wed 2/9	Design a Vehicle project
Thu 2/10 Fri 2/11	Solar Day 7: final kit design
Mon 3/14	Alpha Bravo Charlie animal design project
Mon 3/14	Inkscape wobble
Tue 3/15 Wed 3/16	Inkscape key
Tue 3/15 Wed 3/16	3D Take-away project
Thu 3/17 Fri 3/18	Tinkercad vehicle project
Thu 3/17 Fri 3/18	Inkscape Name Dot
Spring Break!	
Mon 3/28	Logo project brainstorming in Maker notebook
Tue 3/29 Wed 3/30	Logo 1: text only versions in Inkscape
Tue 3/29 Wed 3/30	Learn to solder: watch tutorial video(s)
Tue 3/29 Wed 3/30	Read soldering safety guidelines on the Google Classroom, submit Google Form to prove that you did it.
Tue 4/5 Wed	Learn to solder: practice soldering, get parts from Mr. Hays

4/6	
Thu 3/31 Fri 4/1	Logo 2: text only, multiple fonts in Inkscape
Thu 3/31 Fri 4/1	Build a functioning solar suitcase with a partner
Mon 4/4	Logo 3: text with simple graphics in Inkscape
Tue 4/5 Wed 4/6	Logo 4: text with more relevant graphics in Inkscape
Thu 4/7 Fri 4/8	Logo 5: dominant graphics in Inkscape
Mon 4/11 Tue 4/12	Wooden 3 x 3 x 3 project
Wed 4/13 Thu 4/14	Logo wrap part 1 Logo wrap part 2
Wed 4/13 Thu 4/14	Solder blinky light kit with a partner
Mon 4/18	3D Weight activity
Mon 4/25	Mother's Day Inkscape/Electronic file turned in
Thu 4/21 Fri 4/22	Keychain raster
Thu 4/21 Fri 4/22	Tinkercad 3D atom design
Tue 4/26 Wed 4/27	Inkscape Exclusion design
Thu 4/28 Fri 4/29	Mother's Day project completed