

Project Make - Hays

Assignment Sheet

Make 1 & Make 2:

Due	Assignment Description/Instructions
Tue 8/18	Send intro email to Mr. Hays, see instructions on Google Classroom
Wed 8/19	Create an account on Tinkercad.com, see instructions on Google Classroom
Wed 8/19	Complete Tinkercad starter lessons, see instructions on Google Classroom
Thu 8/20	#2 Complete Tinkercad Bat Button project, see instructions on Google Classroom
Wed 8/26	#3 Tinkercad keychain trinket assignment, see instructions on Google Classroom
Wed 8/26	#4 Tinkercad letter assignment, see instructions on Google Classroom
Mon 8/31	#5 Tinkercad room design project, see Google Classroom
Tue 9/1 Wed 9/2	Gravit Designer, first drawing, see Google Classroom (4th period: Due 9/1 by midnight, 3rd and 7th periods due 9/2 by midnight)
Wed 9/2	Gravit #2 assignment, see Google Classroom, due by midnight Wednesday 9/2 for all classes.
Thu 9/3 Fri 9/4	Gravit #3 assignment
Sat 9/5	Tinkercad Vehicle assignment
Wed 9/9 Thu 9/10	Gravit square for laser cutter, see Google Classroom
Tue 9/8 Wed 9/9	Tinkercad cube thingie assignment, see Google Classroom
Thu 9/10 Fri 9/11	Tinkercad choice of lesson, Chess Pawn or Polygon Wrench
Thu 9/10 Fri 9/11	Gravit 5 drawing
Mon 9/14	Tinkercad: mechanical action scene

Project Make - Hays

Assignment Sheet

Tue 9/15	
Mon 9/14 Tue 9/15	Gravit 6 nameplate
Wed 9/16	Newspaper tower activity, see PDF on Google Classroom
Thu 9/17 Fri 9/18	Gravit Box
Mon 9/21 Tue 9/22	Tinkercad Shadow project
Wed 9/23	Origami project
Thu 9/24 Fri 9/25	Gravit Letter Play Gravit Spirit Poster
Mon 9/28 Tue 9/29	Scratch, day1
Wed 9/30	Gravit key assignment
Thu 10/1 Fri 10/2	Scratch, day2: animated walking
Mon 10/5 Tue 10/6	Scratch, day3: asking the user for information
Wed 10/7	Scratch, day4: letter twirling
Thu 10/8 Fri 10/9	Scratch, day5: math
Tue 10/13 Wed 10/14	Scratch, day 6: clone party
Thu 10/15 Fri 10/16	Scratch, day7: pen tool
Mon 10/19 Tue	Scratch, day8: translation & text to speech blocks

Project Make - Hays

Assignment Sheet

10/20	
Wed 10/21	Airplane distance experiment
Thu 10/22 Fri 10/23	Resume, first draft
Thu 10/22 Fri 10/23	Codeblocks, day1: intro
Mon 10/26 Tue 10/27	Codeblocks, day2: container
Wed 10/28	Codeblocks, day3: silhouette
Thu 10/29 Fri 10/30	Codeblocks, day4: Halloween design
Mon 11/2 Tue 11/3	Codeblocks, day 5: loops Gravit: 7 fonts
Wed 11/4	Instructables simple search
Thu 11/5 Fri 11/6	Logo Project Intro/Brainstorm
Mon 11/9 Tue 11/10	Logo version 1: 3 logos in a Gravit file, each uses a single font
Thu 11/12 Fri 11/13	Resume, second draft
Thu 11/12 Fri 11/13	Logo version 2: 3 logos in a Gravit file, each uses multiple fonts
Mon 11/16 Tue 11/17	Logo version 3: 3 logos in a Gravit file, each uses simple graphical elements
Wed 11/19 Thu 11/20	Logo version 4: 3 logos in a Gravit file, each featuring more relevant graphics

Project Make - Hays

Assignment Sheet

Mon 11/30 Tue 12/1	Logo version 5: 3 logos in a Gravit file, each featuring dominant graphics
Thu 12/3 Fri 12/4	Logo wrap-up, Gravit, then Tinkercad/Codeblocks/Scratch creation
Mon 12/7 Tue 12/8	Tinkercad Thingie
Thu 12/10 Fri 12/11	Tinkercad Fence
Mon 12/14 Tue 12/15	Gravit shape design project
	Final Exam

End of first semester

Project Make - Hays

Assignment Sheet

Beginning of second semester

Due	Assignment Description/Instructions
Tue 1/5/21 Wed 1/6/21	Tinkercad gasket design project, plus make a guess as to what the gasket actually is using the provided Google Form.
Thu 1/7 Fri 1/8	Tinkercad D-cut fan blade project
Mon 1/11 Tue 1/12	PVC #1 project
Thu 1/14 Fri 1/15	Puzzle piece/Tessellation project
Tue 1/19 Wed 1/20	PVC #2 project
Thu 1/21 Fri 1/22	Tennis ball creation
Mon 1/25 Tue 1/26	Mars rover 3D model
Thu 1/28 Fri 1/29	Origami: star box and jumping frog
Mon 2/1 Tue 2/2	Origami Frog Experiment
Thu 2/4 Fri 2/5	PVC #3 project
Tue 2/9 Wed 2/10	Mars Ingenuity Helicopter 3D model
Thu 2/11 Fri 2/12	Valentine's Day Creation
Tue 2/16 Wed 2/17	3D Car Antenna Ornament

Project Make - Hays

Assignment Sheet

Thu 2/18 Fri 2/19	Solar day 1 Google Form regarding Emergency Preparedness
Mon 2/22 Tue 2/23	solar day 2 Basic circuits (Google Doc)
Thu 2/25 Fri 2/26	Solar day 3 amps, volts, watts, amp-hours (Google Form)
Mon 3/1 Tue 3/2	Solar day 4 types of systems, and exploring loads (Google Sheet)
Thu 3/4 Fri 3/5	Solar day 5: Load calculations (Google Sheet)
Mon 3/8 Tue 3/9	Solar day 6: system diagram (Gravit or Tinkercad)
Thu 3/11 Fri 3/12	Solar day 7: complete the design (Google Sheet)
Mon 3/15 Tue 3/16	Weight Bearing Activity
Thu 3/18 Fri 3/19	Atom 3D model (Tinkercad)
Start of 4th quarter	
Mon 3/29 Tue 3/30	3D Brick Creation
Thu 4/1 Fri 4/2	Scale Room Drawing
Tue 4/6 Wed 4/7	3D Take-away creation
Thu 4/8 Fri 4/9	Volts, amps, watts practice Google form. (Score 7/10 or higher to get full credit, you can try the form as many times as you wish to improve your score.)

Project Make - Hays

Assignment Sheet

<p>Mon 4/12 Tue 4/13</p>	<p>Build a city 3D creation All students (group A, group B, or distance learning Zoomers) need to complete this assignment by the end of the day Friday 4/23/21.</p>
<p>Thu 4/15 Fri 4/16</p>	<p>Pizza Box Project All students (group A, group B, or distance learning Zoomers) need to complete this assignment by the end of the day Friday 4/23/21.</p>
<p>Fri 4/23</p>	<p>3D Rotation Creation, assigned Tuesday 4/20 to all classes, due Friday 4/23 by midnight.</p>
<p>Fri 4/23</p>	<p>Gravit Nameplate assignment Only distance learning students need to do this assignment. Students who showed up in class last week or this week in groups A or B do NOT need to do this assignment. Anyone who is purely in a distance learning situation DOES need to do this assignment by Friday 4/23/21 midnight.</p>
<p>Assigned on Mon 4/26</p>	<p>When this is due depends upon who you are: 4th: Everyone on Zoom: Monday 4/26/21 by midnight 4th: Group A students at school on 4/26: due next Monday 5/3 by midnight 3rd: Everyone on Zoom: Tuesday 4/27/21 by midnight 3rd: Group B students at school on 4/27: due next Tuesday 5/4 by midnight 7th: Due Tuesday 4/27/21 by midnight</p>
<p>Assigned on Thu 4/29</p>	<p>When this is due depends upon who you are: 4th period Zoomers: Thursday 4/29/21 midnight 4th period present at school on 4/29/21: Thursday 5/6/21 midnight 3rd period Zoomers: Friday 4/30/21 midnight 3rd period present at school on 4/30/21: Friday 5/7/21 midnight 7th period everyone: Friday 4/30/21 midnight</p>
<p>Fri 5/7</p>	<p>Mother's Day project On day assigned you must fill out the Google Form saying what you have decided to do or make. On the second day of class this week you must complete your project and turn it in. See PDF with all details.</p>