Grade 7
Distance Learning Module 3: Week of: 4/13/2020-4/17/2020

CTE: Technology Explorations - Podcasting/3D Modeling

Targeted Goals from Stage 1: Desired Results

Content Knowledge: Design requires a great deal of precision and accuracy in creating a prototype, which means being able to fluently manipulate 3d modeling software and work in virtual 3D spaces.

Vocabulary: Placing, viewing, moving, rotating, sizing, grouping and aligning of objects.

Skills:

- Insert shapes on a new geometric plane while creating an object, using 3D modeling software.
- Create an object with a variety of features, using 3D modeling software.
- Group several shapes together while creating your object.
- Manipulate the orientation options of any given object, as needed.

Expectation: Students will continue their podcasting unit by making a podcast that expresses gratitude to someone.

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
Monday: ● Edit your Gratitude Podcast on WeVideo. ● Watch the tutorial so that you know how turn in your Gratitude Podcast on Google Classroom.	● Video tutorial demonstrating how to finish/export final podcast and turn it in to Google Classroom.	● Students will turn in their Gratitude Podcast on Google Classroom.
Tuesday: 3D Printing Introduction: Watch a video about 3D printing and respond to a related question on Google Classroom.	Video about 3D printing.	Watch the video about 3D printing, and respond to the question posted in Google Classroom.
Wednesday: 3D Printing Introduction: Watch a video about 3D printing and respond to a related question on Google Classroom.	Video about 3D printing.	Watch the video about 3D printing, and respond to the question posted in Google Classroom.

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
Thursday: ● **Live Zoom class 9:30-10:00** ● Log into Tinkercad for the first time with your Google account. Students then finish the Tinkercad activities listed in Classroom. BE SURE YOU USE A COMPUTER MOUSE.	See Classroom Wednesday for Zoom URL. Watch Mr. Kiefer's video showing how to log into Tinkercad and enter invitation code into your profile. Tinkercad Students do the following activities: ● Place It! ● View It! ● Move It! ● Rotate It! ● Size It Up! ● Group It! ● Align It!	● Zoom live attendance. ● Teacher can moderate student progress via Tinkercad dashboard.
Friday: Log into Tinkercad for the first time with your Google account. Students then finish the Tinkercad activities listed in Classroom. BE SURE YOU USE A COMPUTER MOUSE.	Watch Mr. Kiefer's video showing how to log into Tinkercad and enter invitation code into your profile. Tinkercad Students do the following activities: ● Place It! ● View It! ● Move It! ● Rotate It! ● Size It Up! ● Group It! ● Align It!	● Teacher can moderate student progress via Tinkercad dashboard.

Week criteria for success (attach student checklists or rubrics): Completion of Google docs in Classroom. Rubics will be available in Google Classroom.

- Students will successful export and turn in their Gratitude podcasts.
- Ss will join Google Classroom and imagine the possibilities of 3D printing.
- Ss will create a TinkerCAD account and complete some basic 3D modeling functions.
- Ss will share their online learning experience, how things are going so far.

Supportive resources and tutorials for the week (plans for re-teaching): I will have my official office hours every day 1:00-2:00, when I will respond to student emails ASAP. But you can contact me at kiefer.michael@madisonps.org any time of the day.

My video tutorials above can be viewed multiple times for students to re-teach themselves. I will have my official office hours every day 1:00-2:00, when I will respond to student emails ASAP. But you can contact me at kiefer.michael@madisonps.org any time of the day.