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| **Week** | **Activity** |
| Week of 9/14/2020 | * MESA Enrollment
* Introduce Catapults (use videos) and have students look up and create sketches of catapult designs using the materials they will have
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| Week of 9/21/2020  | * Have students build and demonstrate catapults. Encourage them to register and go to the competition (29th, 30th and 1st)
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| Week of 9/28/2020 | * Have students share how they did at the catapult competition and encourage ones that haven’t gone yet to attend
* Show videos of MESA day projects
* Have students fill out form with project selections and materials
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| Week of 10/12/2020  | * Have students begin researching and brainstorming ideas for their MESA day projects
* Write down brainstorms and submit them for November milestone
* Have students share their ideas
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| Week of 10/19/2020  | * Introduce Engineering Design Challenge
* Have liaisons demonstrate some different ideas for windmill and egg drop (10 minutes)
* Have students use [online worksheet](https://docs.google.com/presentation/d/1vuNqz8X8tTpG73Ui_qQaK6Fs1Mg96eeOtwETY0i2iYw/edit?usp=sharing) to create their windmill and egg drop designs or start creating if they already have materials from the catapult competition
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| Week of 10/26/2020  | * Online Trivia Bowl
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| Week of 11/2/2020 | * Have students collect their engineering design materials and MESA day materials this week
* Have students work on creating their windmill
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| Week of 11/9/2020  | * Have students complete their windmill and/or get started or complete their egg drop container
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| Week of 11/16/2020  | * Have students share how they did at the engineering design challenge and encourage ones that haven’t gone yet to attend
* Have students start working with their MESA project materials
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| Week of 11/30/2020  | * Have students continue to work on their MESA projects
* Take project screen shots at the end of the session to submit for the December MESA project deadline
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| Week of 12/7/2020  | * Online Coding Competition
* Or design MESA day t-shirts for students that don’t want to do the coding
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**MESA FALL SEMESTER-PACING GUIDE**