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| STEM project JOURNAL |
| Project name: Pumpkin Chunkin Catapults |
| Materials:  Design it: Draw or take a picture of your catapult. You can submit a video clip if you wish!  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Write about your project! (Use the back of the paper if you need more space!) |
| What areas do you think might break more easily compared to the rest? |
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| How can your project be improved? |
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| Toss a pencil top eraser 5 times and measure each distance in inches. Record your measurements. |
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| STEM project JOURNAL |
| STEM project: ramp propelled Cars |
| Materials:  Design it: Draw or take a picture of your car. You can submit a video clip if you wish!  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
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| Write about your project! (Use the back of the paper if you need more space!) |
| What was the most difficult thing to do on your car? How did you find the design for your car? |
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| How far car your car roll on floor with a push? Roll and measure 5 times using inches. Record your data. |
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| How could your car be improved? |
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| STEM project JOURNAL |
| STEM PROJECT: Floating boat |
| Materials:  Design it: Draw or take a picture of your boat. You can submit a video clip if you wish!  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Write about your project! (Use the back of the paper if you need more space!) |
| Test your boat in a body of water. What is the maximum amount of weight that it can bear without tipping over or sinking? Record your trials and final max weight. |
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| How could your boat be improved? |
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| How did you come up with the design for your boat? |
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| STEM project JOURNAL |
| STEM Project: Bridge |
| Materials:  Design it: Draw or take a picture of your boat. You can submit a video clip if you wish!  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
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| Write about your project! (Use the back of the paper if you need more space!) |
| What do you think makes a bridge strong? |
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| What amount weight can your bridge bear without failing? Try it and record your results in pounds? |
|  |
| How can your bridge be improved? |
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