

## PROJECT HOMEWORK GUIDELINE

*Unless otherwise indicated, they should bring their project to the next class period. Set projects on a back table in Fellowship Hall. Students must not play with other student's projects. Most project materials will be reused for other projects – this semester or the next. Exceptions are noted.*

### DUE DATE

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| Feb 6    | 1 <sup>st</sup> Project -- Design a lever and give it a name (hammer, throwing stick, tongue depressor, teeter totter, catapult). Students may use additional resources and will be able to keep their project.   |
| Feb 20   | 2 <sup>nd</sup> Project – A “Remember These Things” Tree to hold their “reminders.” Students do not need to bring their trees back to class. Students may use additional resources and will be able to keep this project.   |
| March 6  | 3 <sup>rd</sup> Project – A simple machine with moving parts. They are restricted to only using their TinkerToys/Building Set. They must share a set with their siblings, but the project may be jointly built (1 project from their family) if they choose to do so. Families will temporarily keep the TinkerToy set and left-over parts for another 2-3 class periods. |
| March 20 | 4 <sup>th</sup> Project – Older students will construct a waterwheel. Younger students will construct a windmill. Students may use the TinkerToys and additional resources. All TinkerToy pieces should be returned for the 5 <sup>th</sup> or 6 <sup>th</sup> class period.  |
| April 3  | 5 <sup>th</sup> Project – Students will design an outdoor oven to use for cooking a small meal. A 1-5 lb food can will need to be found/bought, most likely. Parents should supervise. Plan options will be provided. Appropriate venting and sufficient support to hold an oven-sized (1-5 cups) pan of water on top.  |
| April 17 | 6 <sup>th</sup> Project – Students will build a battery (supplies and instructions provided).   |
| May 1    | 7 <sup>th</sup> Project – Students will build a battery-operated gadget (supplies and instructions provided).   |
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| May 15   | 8 <sup>th</sup> Project - Students will build a solar car (supplies and instructions provided).   |
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