Brick Pack Study:

- Aquatic macroinvertebrate communities } dependent variable
- Habitat < water depth (shallow or deep) / plant material (Oregon ash or white alder) } independent variable
- "What is the relationship between habitat (water depth & leaf type) in the creek and aquatic macroinvertebrate communities?"

We are going to make "brick packs" out of rocks and leaves and put them (hidden) in the creek. Then we'll wait a week and pull them out. Then we'll count the organisms we find and compare:

Water Depth	Leaf type	Aquatic MI communities
Deep	Oregon ash	#
Shallow	Oregon ash	#
Deep	White alder	#
Shallow	White alder	#

The Plan:

1. Form a group of three
2. Gather leaves: (60 past gym)
   Pick one partner ⇒
   Last name <= "L" : Oregon ash (30)
   Last name >= "M" : White alder (60)
3. Get a brick-sized rock from near the guard.

④ Tie leaves securely to to rocks —
use a minimal amount of string

- Don't overwrap
- Use intermediate knots
- Goal: evenly cover the whole rock

(5) Attach a tether

- Need about 10'-12' of thick twine
- Tie (minimally) securely to rock
- Other end of tether, label:
  - All your initials
  - Bio 6
  - Water depth

On a little strip of duct tape

(6) Place rock in creek

- Pick another partner
  - Last name <= "L": Deep
  - Last name >= "M": Shallow
- Between slanty bridge to top of gym and flat bridge to lower level of gym
- Put rock in and tie tether to branch, tree, stump, root => HIDDEN