

9/30 concrete canoe minutes  
5:30pm 4505

- Date of the competition has still not yet been decided. We'll keep you posted.
- Mold discussion
  - Fiberglass
    - Costly
    - Time ineffective
    - Could use the mechanical lab downstairs
    - Bryson is checking out prices of fiberglass
  - Styrofoam
    - This year we will smooth out the layers in between mold and concrete more
    - Will need to make another hot wire to cut Styrofoam

#### Decided on a FEMALE MOLD

- Coloring the boat
  - Chromix is available and allowed to use in the mix
  - Will be added as an add-mixture
- Fibers options
  - Polypropylene
  - Feathers
  - Tires (if shredded enough)
  - Carbon fibers
- Portland cement
  - Concrete shrinks as it cures
- Hydraulic cement
  - Concrete doesn't shrink as much during curing
  - We can only use a max of 50% of hydraulic cement in our total cement mix
- We would like the strength of our concrete to be at least 300psi
- Nick will be checking into the National papers to see what else we can do
- Review latex (milky) material for next meeting
- This year we are going to try shredded tires and bone
- We already have recycled glass so that is defiantly an option because it is readily available

- Can we find a bone crusher???
  - Meat market?
  - Hyvee?
- Eryn needs to talk to Matt Flannigan about the CEE board meeting to get more money for ASCE/canoe
- Eryn will get the mass email out about rowing practices
- Recruit more people for rowing...they need to be engineers though!
- November 15<sup>th</sup> is the date set for canoeing time trials **\*\*BE THERE\*\***
- Next meeting: October 7<sup>th</sup> 6:30-8:30 4505 then we'll head down to the concrete lab
  - Please come! You may come and go as needed!