Capstone Questions For Winfree

1. What is our requirements vs. the EE requirements?

- Oct. 14th we will have our EE team assigned
- Inexpensive
- Customizable
- Don't scale sensors and motors
- **Actively controlled
- **Haptics (work together but be independent so if they fail we can still succeed) (see Email with TED video)
    - How tight or how lose
    - Force
    - Slippage
    - Eccentric mass meter (like phone vibrator)
    - Phantom Haptics (interact with virtual environment)
    - Feeling to the arm
    - Leverage as much of the body as we can
    - Sensitive areas on arm may be helpful for sense of touch
- Taxonomy of grasping
- We have different deadlines so work together
- Will be in touch with family (Nat= primary client)
- Get away from arm bending
- Detect user intention

2. Is there a type of touch sensing you would prefer? (vibration, indicator light, noise, touch, sight, scent, ect.)

- No lights or sounds

3. The device is adjustable size but how precise? How should it be adjustable on Solidwork dimensions, or set perforations that will be torn off to correct size? (to the half inch? Quarter inch?)

- If give to Enable scalable in ****grab cad**
- Or right at 3d printer

4. Is there a certain requirement for attaching to the limb? Strap? Tape? Velcro?

- Nat question
- No snug fit = no airflow and bacteria

5. Does the device have to look like a biological hand? Can it be a tentacle or a claw or etc?

- Ask Nat
- Look at Enable site
- Human like

6. Is there any material that we are not allowed to use?
   - Prefer affordable and light
   - 3d printer's material
   - Anything soldered cannot touch skin
   - Led free soldered

7. Will we need to file anything with the FDA?
   - No
   - Marketed as a toy not a medical device

8. Are there any checkpoints (aside from the capstone checkpoints) that you would like us to meet?
   - Maybe?
   - In April, around the next go baby go summit