

### **Atrium Communication will happen:**

- Visits to Atrium:
  - Post project development
    - Minimum of 3-5 prototypes to test / modify while visiting
    - Multiple projects brought at the same time
- Calls with Atrium:
  - Weekly / Biweekly - during lunch, before school, after school
    - Discuss development of projects, planning next visits
    - Need to discuss what their status is in getting a Bumbu printer

### **Projects:**

- CLS goal projects to be achieved by the end of the year:
  - Mounts -
    - Post mount development:
      - Variety of Cup Holders
      - Phone holder
  - Quad stick (mass production)
  - 3D Printing Projects (for those who are well versed in CAD) (mass production projects - keep in mind universal )
    - Joystick toppers (mass production)
    - Donning tube for compression items
    - Pant clips
    - Easy carry wheelchair tray
    - One-handed hair tie assistant
    - Nail clipper holder
    - Nail polish holder
    - Deodorant holders
    - Book holder
  - Reacher for tenodesis (3D CAD project?)
- Summer goal projects
  - Anything not completed by the end of the school year

### **Ranked by Clinical Need (Most to Least) (\*\*Prioritize this completion order\*\*):**

1. Variety of cup holders (Handi-cup, long straw, giraffe)
2. Cathing mirror with LED light
3. Mounts – easily adjustable
4. Joystick toppers for PWC/gaming

Carbon X1

- Do research for TPU

5. Reacher for tenodesis
6. Sock aid for poor hand control/tenodesis
7. Easy grip pill crushers

[Grippy Pill Crusher by RDP | Download free STL model | Printables.com](#)

8. One-handed cutting board with knife
9. Call bell covers for cognitive/visually impaired
10. Donning tube for compression items
11. Easy carry wheelchair tray
12. Pant clips
13. One-handed hair tie assistant
14. Nail clipper holder
15. Phone holder
16. Fidgets
17. Deodorant holders
18. Book holder
19. Nail polish holder

**Ranked by Design Complexity (Least to Most):**

1. Pant clips
2. Fidgets
3. Deodorant holders
4. Nail polish holder
5. Easy grip pill crushers
6. Nail clipper holder
7. Book holder
8. Phone holder
9. Cathing mirror with LED light
10. One-handed hair tie assistant
11. Call bell covers
12. Donning tub for compression items
13. Cup holders
14. Wheelchair tray
15. Cutting board with knife
16. Mounts
17. Reacher for tenodesis
18. Sock aid for tenodesis

## 19. Joystick toppers for PWC/gaming

### General Notes:

- See what other kinds of materials we can 3D print with that would be stronger & more stable
- TPU

[https://drive.google.com/file/d/1rYq\\_5z2HKH-CeHPKRhxF3BcLeH86mGh7/view](https://drive.google.com/file/d/1rYq_5z2HKH-CeHPKRhxF3BcLeH86mGh7/view)