

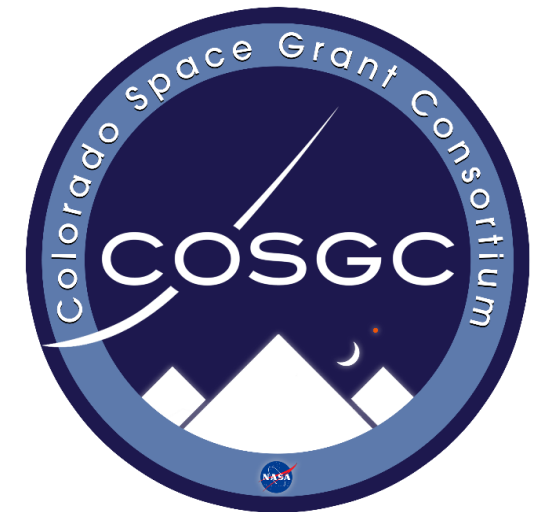
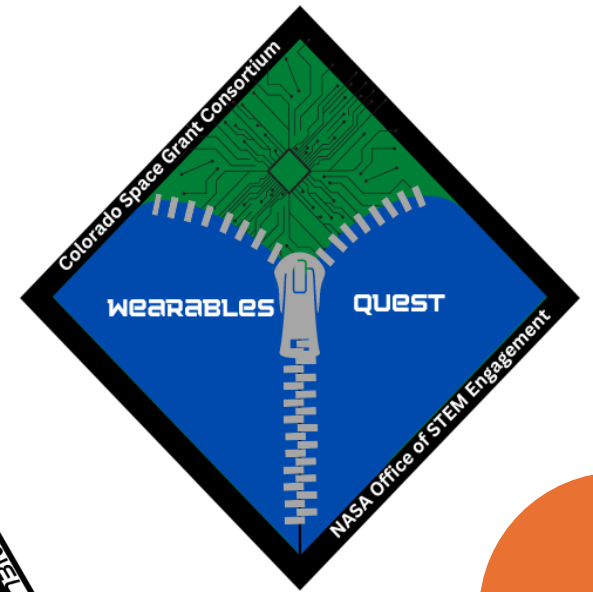
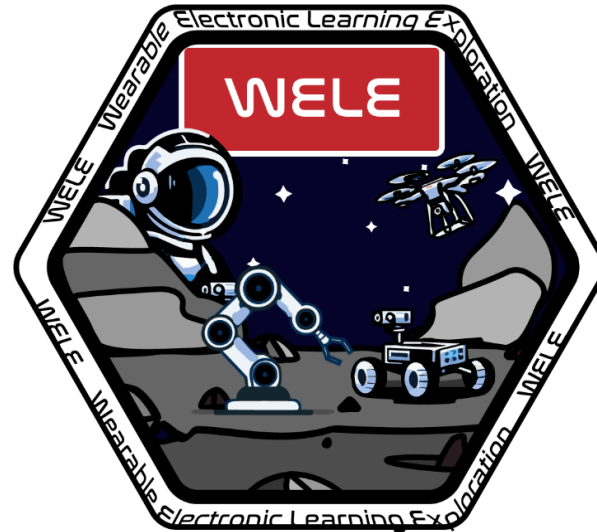


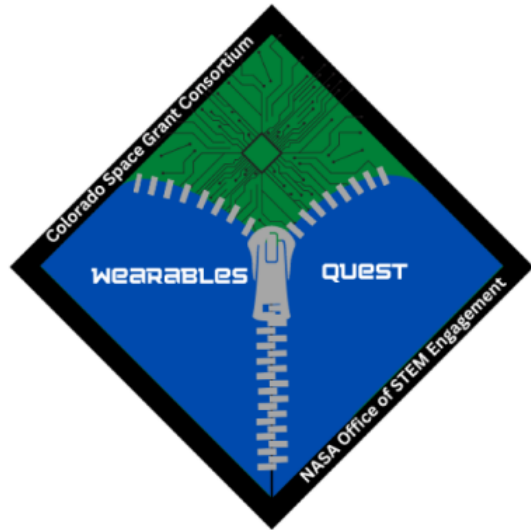
# Welcome!



# Wearables Quest

Kickoff Meeting





## Wearables Quest

Wearables Quest is open to student teams at COSGC affiliate institutions. The purpose of the Quest is to introduce students to the vast world of wearable technology that is being used to solve challenges relating to engineering and research, health, operations, cosplay and a myriad of other fields and areas of interest.

Quest teams shall have their projects ready to demonstrate by April for Final Project Review. They will be invited to participate in the Annual COSGC Symposium under the paper, poster or video category. Regardless of their participation in the Research Symposium, teams are required to submit a final video to show off their new piece of wearable technology and a final report by the end of April.

## Wearables Quest

Students are challenged to develop a wearable that incorporates any sensor into the design to solve an issue or problem. The problem students choose to solve with the wearable technology could be space-related but doesn't have to be. As always, please reach out with questions!

### COSGC Design Challenges

DemoSat Program

The Colorado Robotics Challenge

Wearables Quest

EONS Challenge

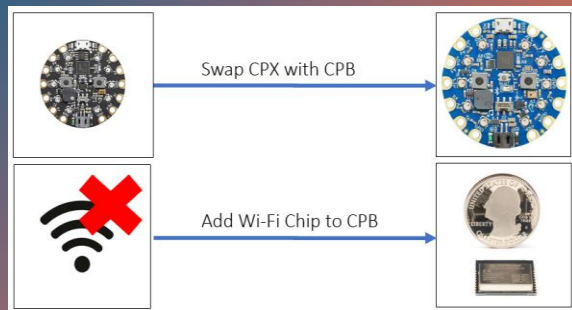
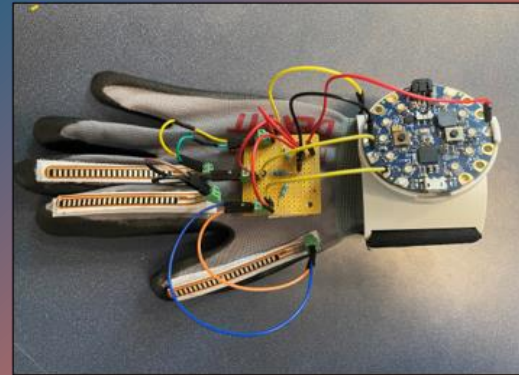
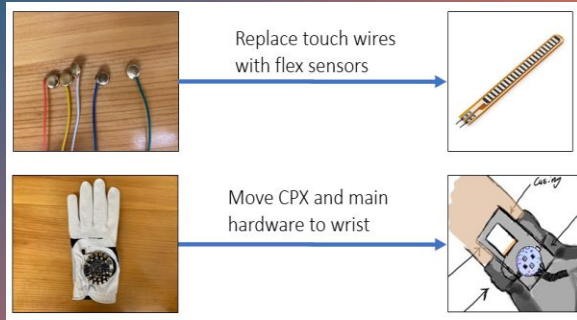
### Remote Kits & Learning Modules

### Research Symposium

### Statewide Projects NASA Center Input

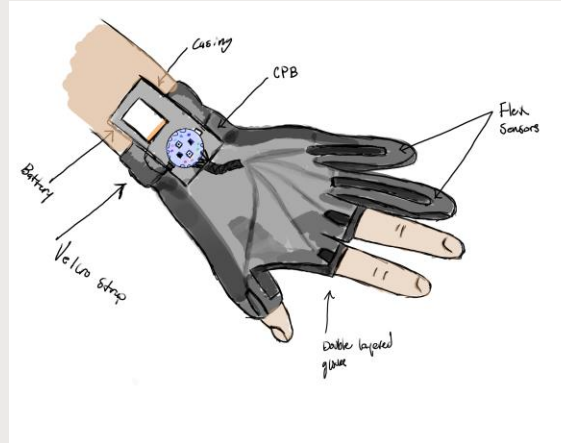
### Summer 2025 Hyper Drive Program

# Wearables Workshop

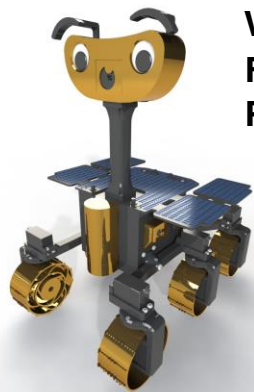


- Upgraded design
  - Updated modules
  - Videos with captions
  - Kit Components
    - From COSGC
- OR
- Order using Bill of Materials

# Wearable Capabilities

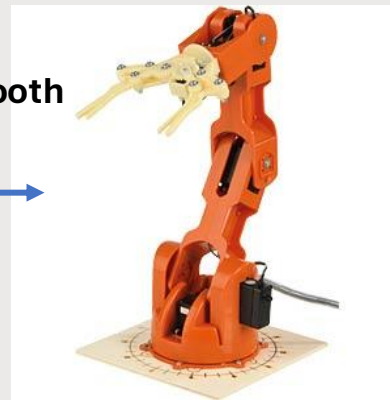


Cross platform wireless communication



Wi-Fi/Bluetooth Rover

Bluetooth Arm



Wi-Fi Drone



# Design Challenge Categories!

Cosmic Cosplay	Fashion & technology
Medical Mysteries	Space biology & Medicine
Unlocking the World	Adaptive and assistive technologies
Use the Force	Remote Opps Control
The Final Frontier	Syfy inspired inventions

# Wearable Technology Projects



## Options:

- Specific research question to answer
- Specific problem to solve
- Does not have to be space related

## Deliverables:

- Design Reviews: CoDR, PDR, CDR, FPR
- 5-minute video
  - What it is it?
  - What research question does it answer or problem does it solve?
  - How does it work?
- Symposium Participation



# Tentative Schedule

## CoDR

- Oct 20-23
- Jan 19-22

PDR: Early  
February

CDR: Early  
March

FPR: Early  
April

## Symposium Abstract

- Due: Early  
April





# Symposium

Date: April 25th

- Must submit abstract for video
- Encouraged to also submit Poster or a Paper to present

\*Any level of success is valuable

COSGC Wearables Quest 25-26  
Team Registration



COSGC Workshop Kit Order Form



Project  
Ideas?

Questions?