

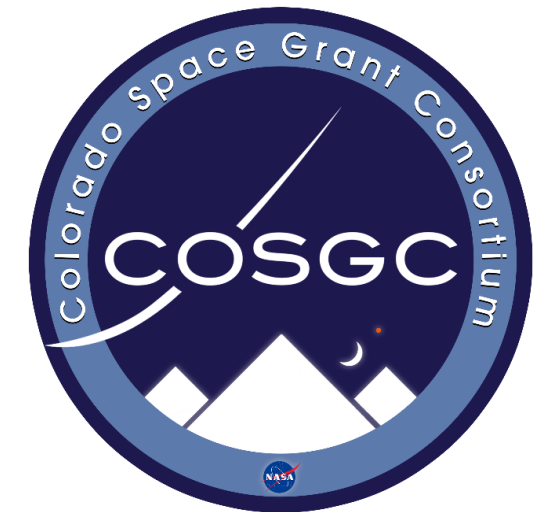
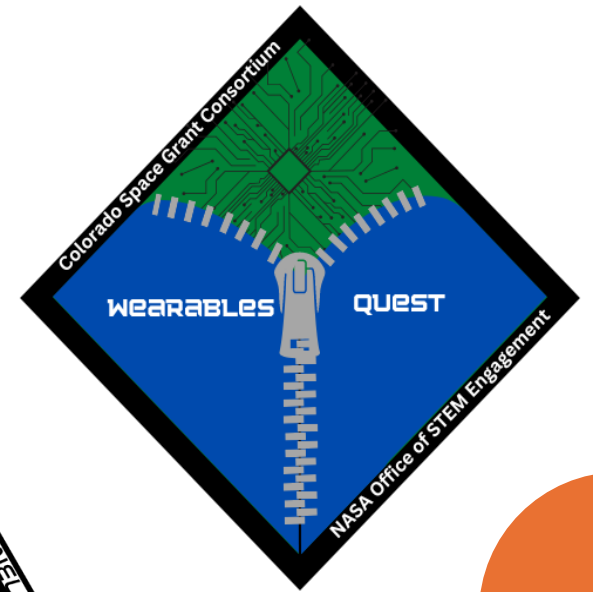
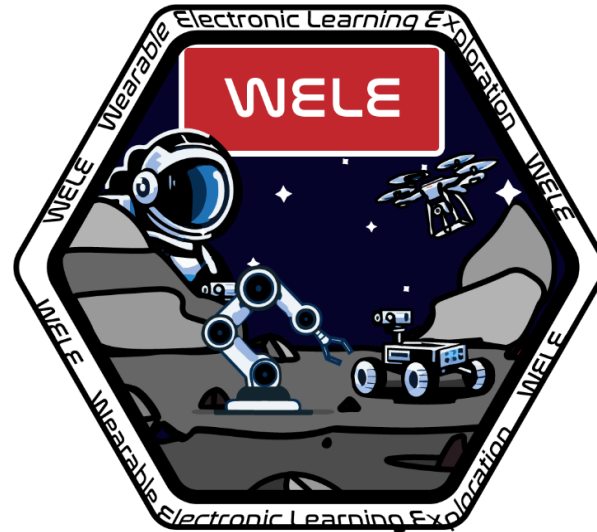


Welcome!



Wearables Quest

Kickoff Meeting

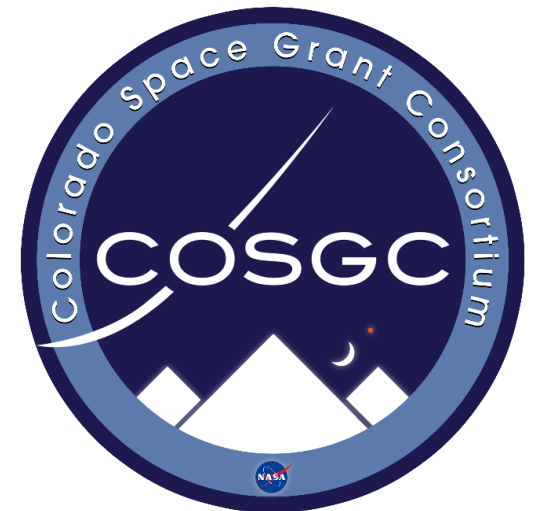
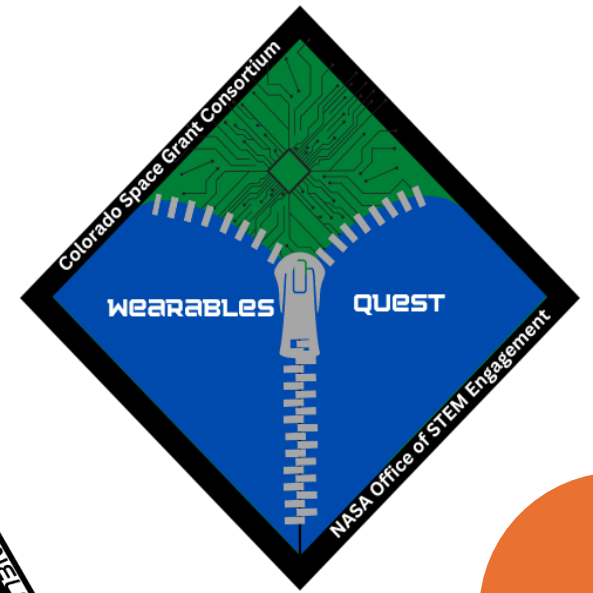
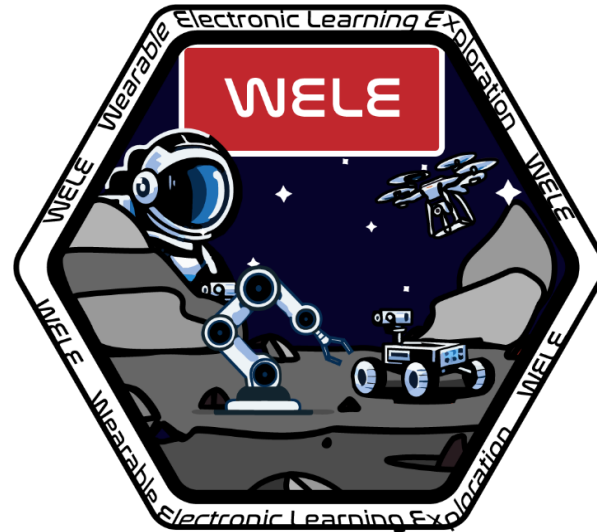


Quick Introductions

Name

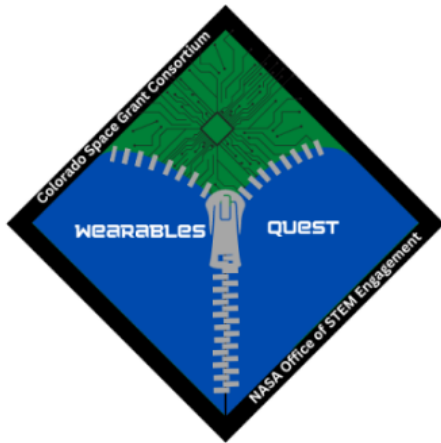
Institution

Project Ideas?





Wearables Quest



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 and strongly encouraged to participate in the Annual COSGC Symposium under the paper, poster or video category.

Wearables Quest Deliverables

Teams are required to submit a 5min video by April 17, 2027, to show off their new piece of wearable technology, as well as a report by April 25, 2027.

Wearables Quest Categories!

Students are challenged to develop a wearable that incorporates any sensor into the

COSGC Design Challenges

[DemoSat Program](#)[The Colorado Robotics Challenge](#)[Wearables Quest](#)[EONS Challenge](#)[Rocketry Challenge](#)[Printable Flyers for Design Challenges](#)

Past Projects

National Programs

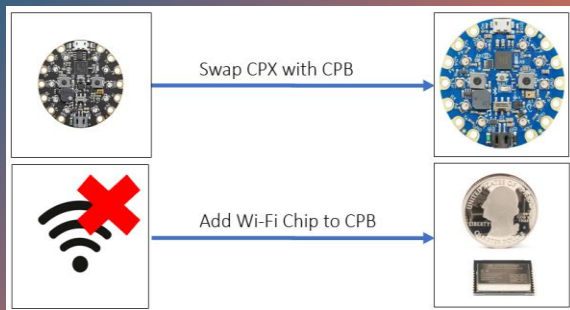
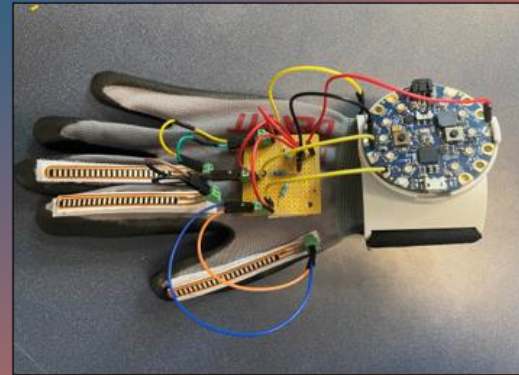
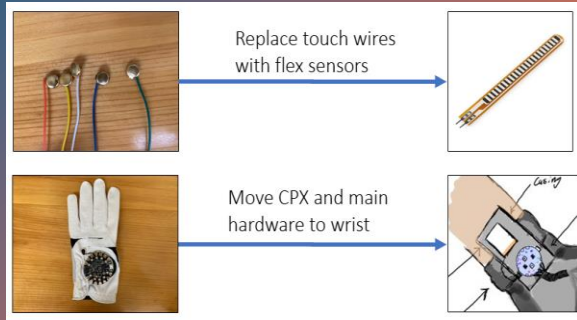
CU Boulder Projects

Quick Wearables Links

[Spring 2026 Kickoff Meeting Slides](#)

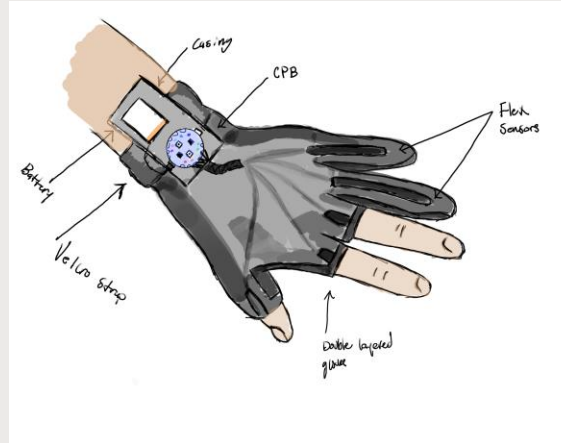
Slide Templates: [\[CoDR\]](#), [\[PDR\]](#), [\[CDR\]](#), [\[FPR\]](#)

Wearables Workshop



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

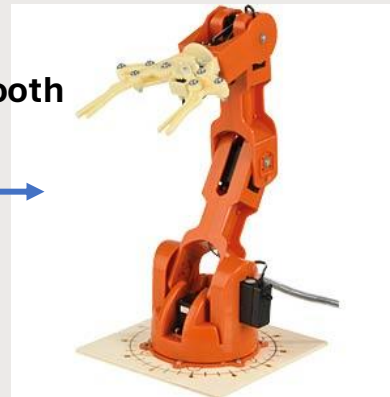
Wearable Capabilities



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

- Nov 16-19
- Jan 18-21

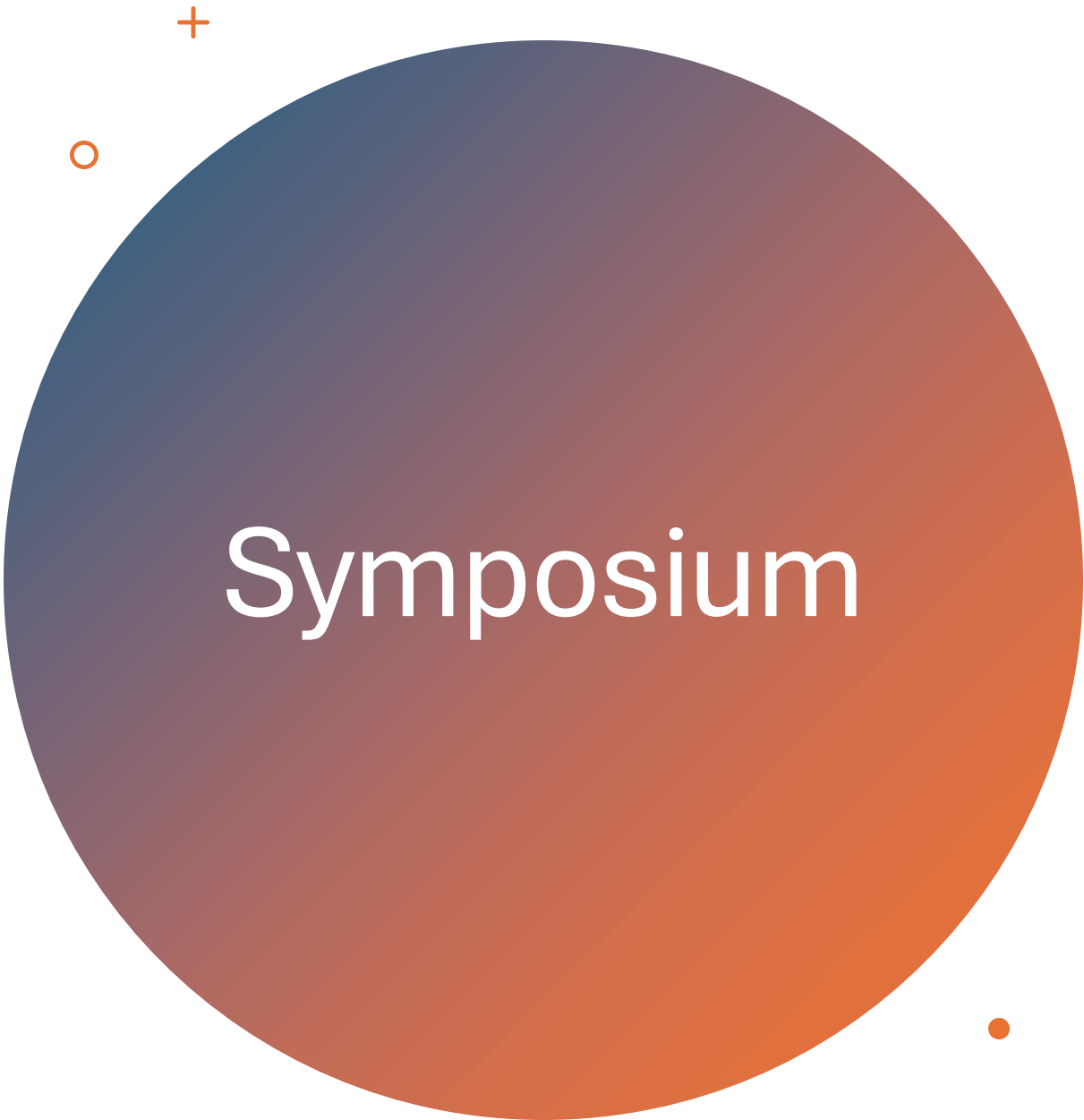
PDR:
Feb 15-18

CDR: March
8-11

FPR: April 5-
8

Symposium Abstract

- Due: Early
April



Symposium

Date: April 24th

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

*Any level of success is valuable

COSGC Wearables Quest 26-27
Team Registration



COSGC Workshop Kit Order Form



Project
Ideas?

Questions?