

#edspaces

# EDspaces

Designing the Future of Education

Columbus, OH | November 5-7, 2025

Learning and Evolving: Analyzing  
EPIC Campus' First Two Years

9:30am, Thursday, November 6, 2025





# Learning Objectives

- Learn from an educator and administrator about how to evolve and adapt educational programming to meet market demands and changes.
- Understand how community-based **Career Advisory Committees** inform the design and continue to forge connections with **local business partners and institutions**.
- Explore uncommon ideas for **meaningful outdoor space** design to support changing educational needs.
- Share the data analysis, challenges, and opportunities that accompany the adaptive reuse of existing buildings for a new and very different purpose.

# About Us



Travis Amonson

Principal  
Littleton Public Schools' EPIC Campus



Kari-elin Mock

Principal  
Executive Director, Cuningham



Nadine Abell

Associate  
Project Architect, Cuningham

Who is here today?

# Agenda



History & Pathway  
Development

Site & Design Concept

Small Group Sharing

Getting Started  
*(year 1)*

Gaining Momentum  
*(year 2+)*

Q&A



# Glossary of Terms

**CTE** – Career & Technical Education

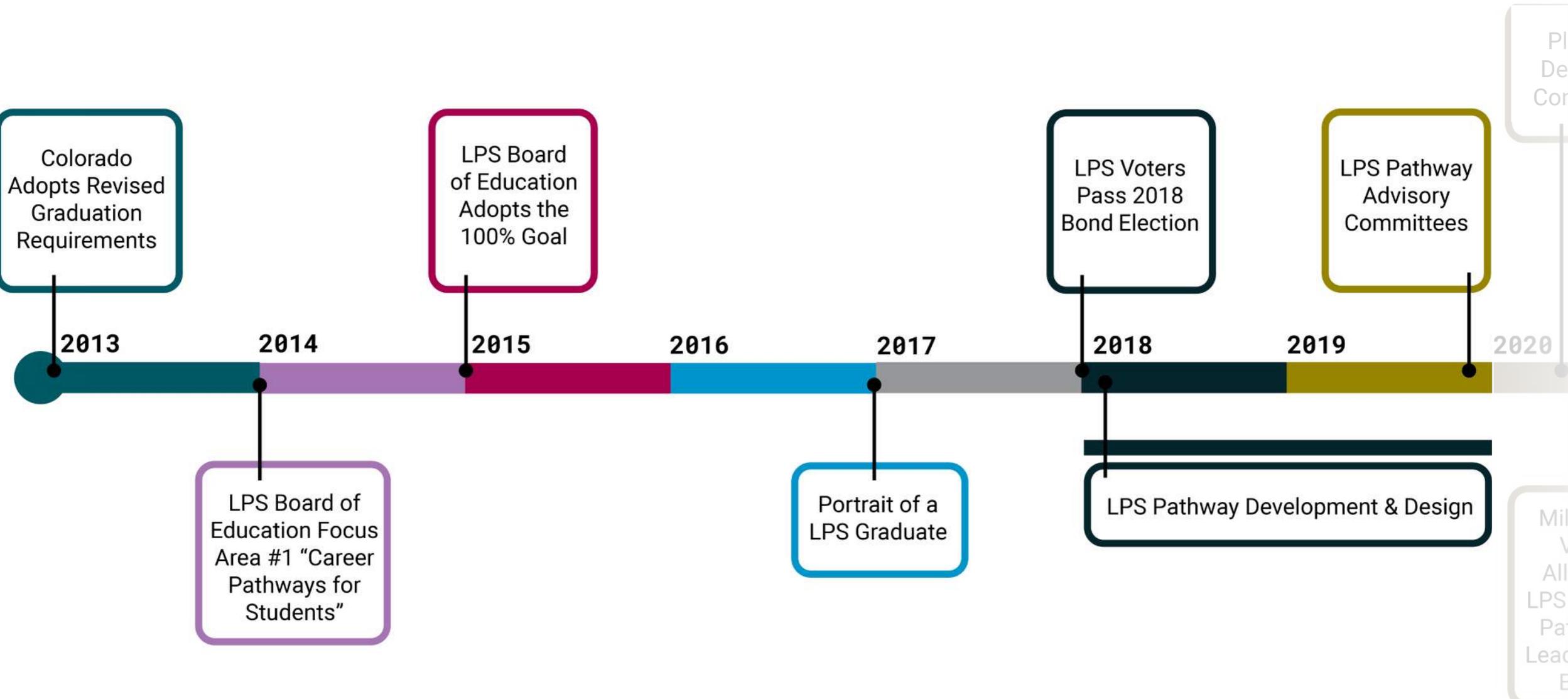
**Career Pathway** – Education, training and other services that prepares an individual to be successful in secondary or postsecondary education and career-focused options

**CTE Advisory Committee** – Assists educators in establishing, operating, validating the quality and relevance of the programs and provide insight about current/future industry and technology changes

**Work-Based Learning** – hands on learning for firsthand knowledge

**Perkins V** – Strengthening CTE for the 21<sup>st</sup> Century Act of 2018, the purpose of the Act is to develop more fully the academic, career and technical skills of secondary and postsecondary students

# The Transformation timeline begins...



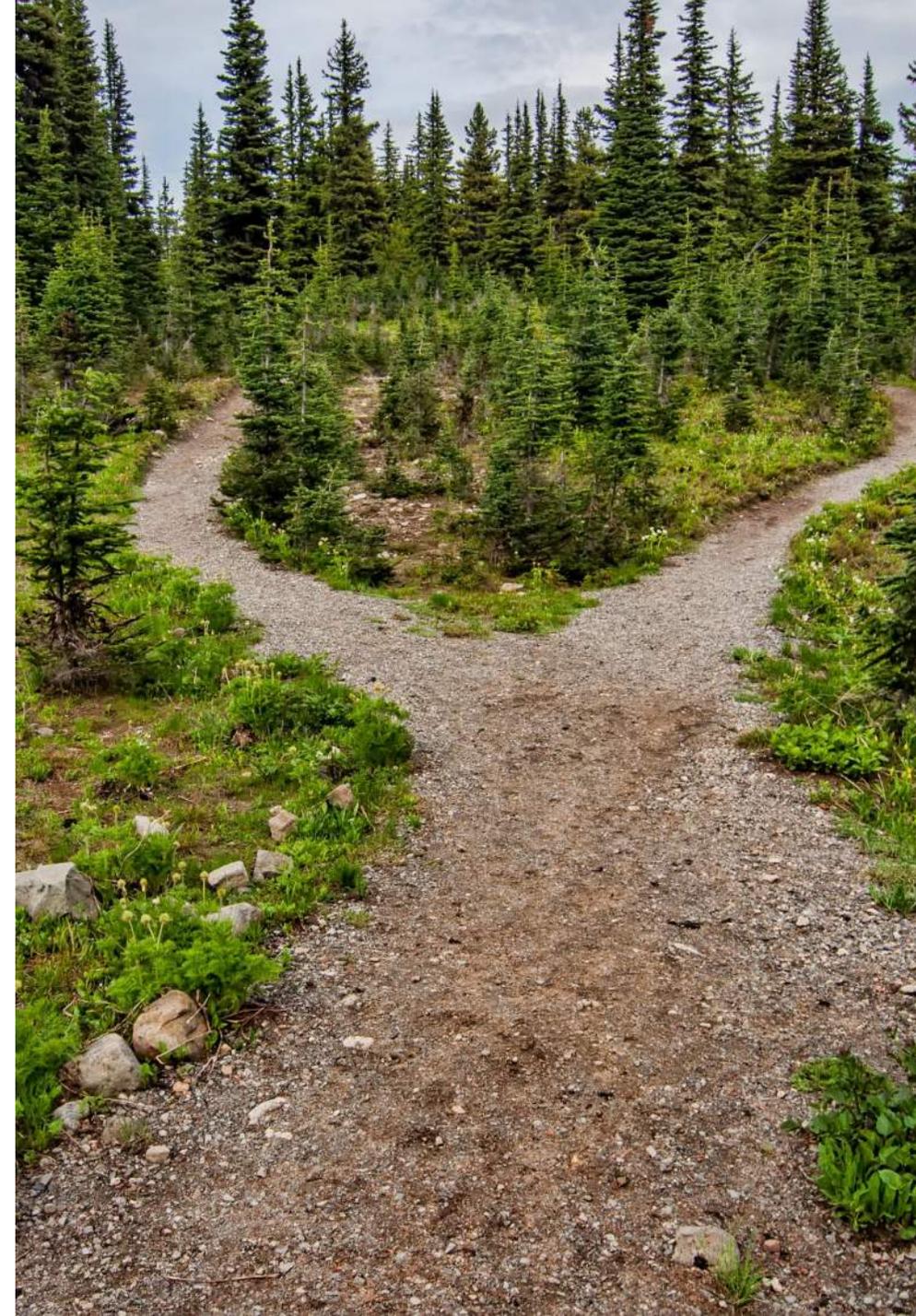
# Pathway Development

**2018** – LPS passed its bond election.

**2019** – Superintendent charged district staff with establishing career pathways

A short statement, which generated all kinds of questions!

- What are pathways?
- What are the potential pathways we should consider?
- What makes a pathway viable?
- Where should we even start with this?
- Whom should we consult regarding viability and interest



# Pathway Development

## What were students asking for?

Voiced during LPS student focus groups:

Provide opportunities for us to discover & learn about our passions



Challenge us with real world problems



Give us different ways to show what we know & can do



Let us have choices in how we learn

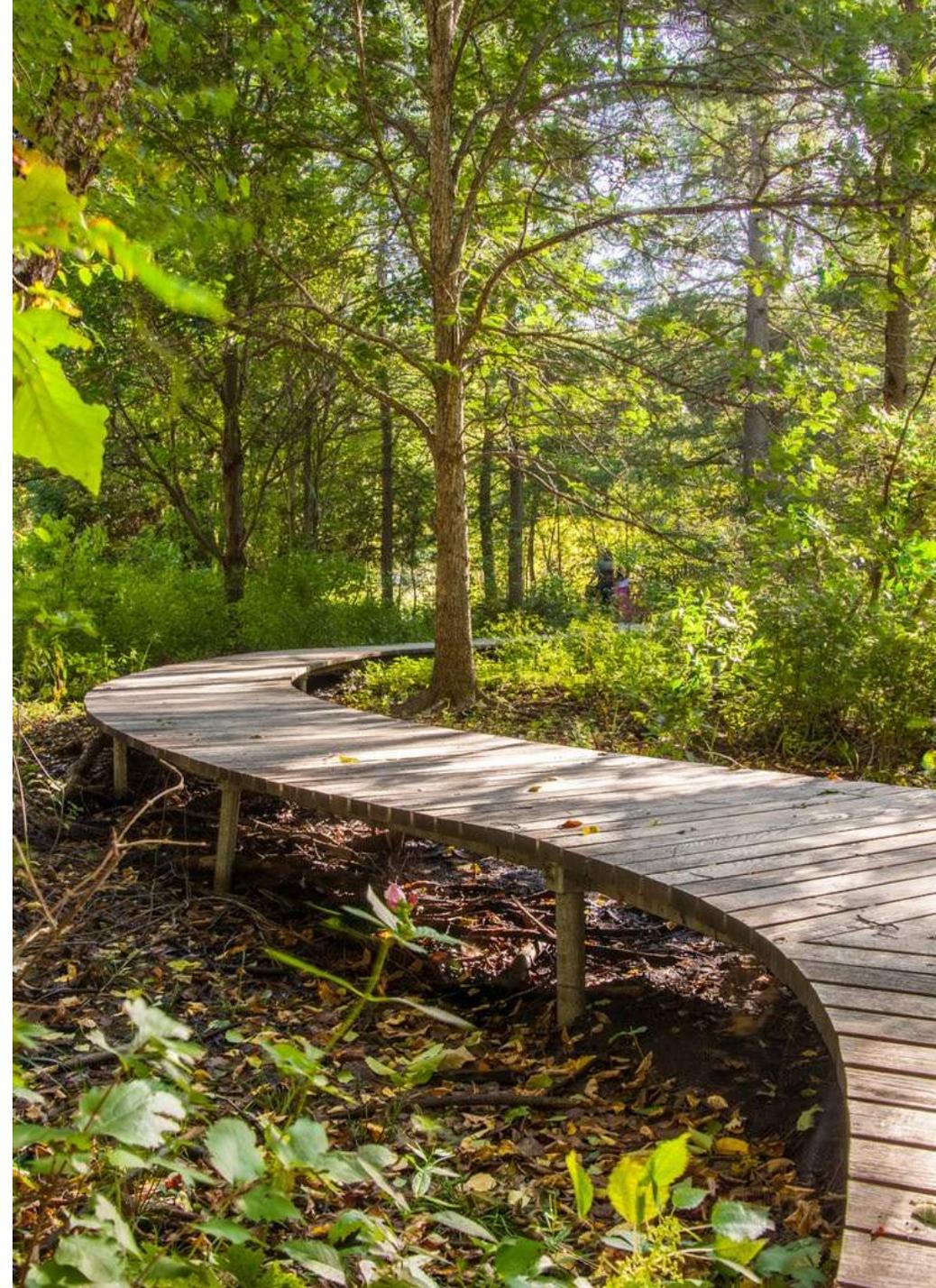


Create safe environments that allow us to struggle, fail, and succeed without judgement

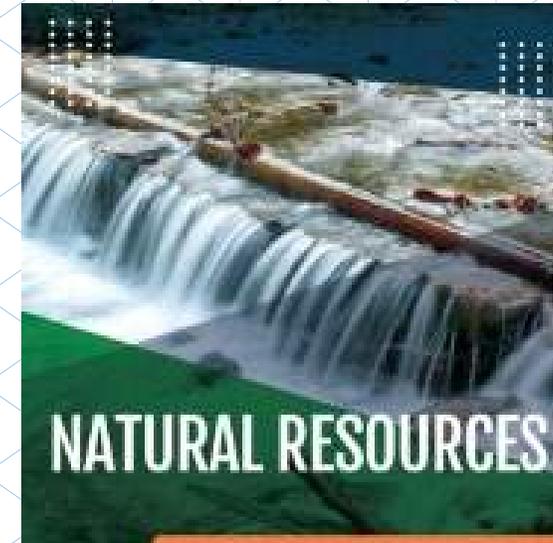
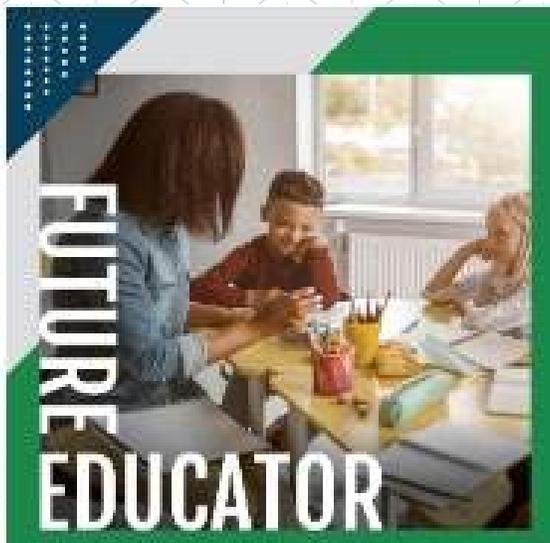
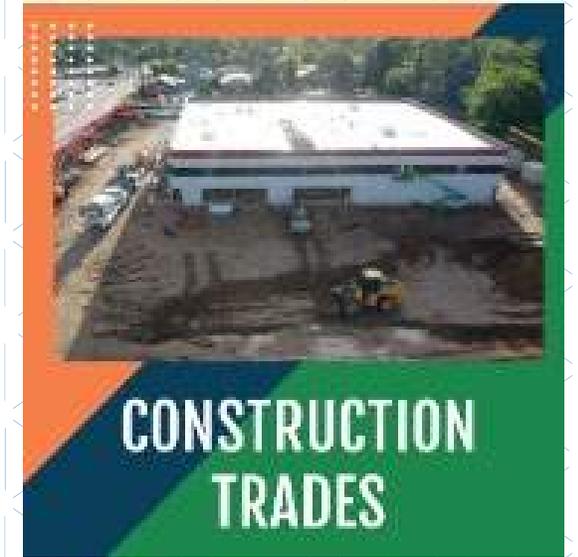
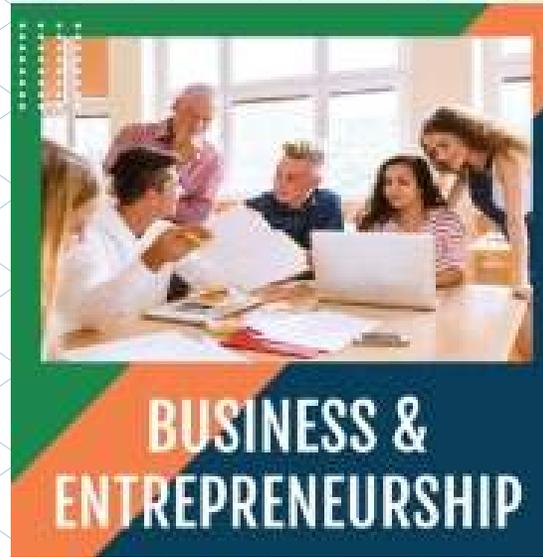
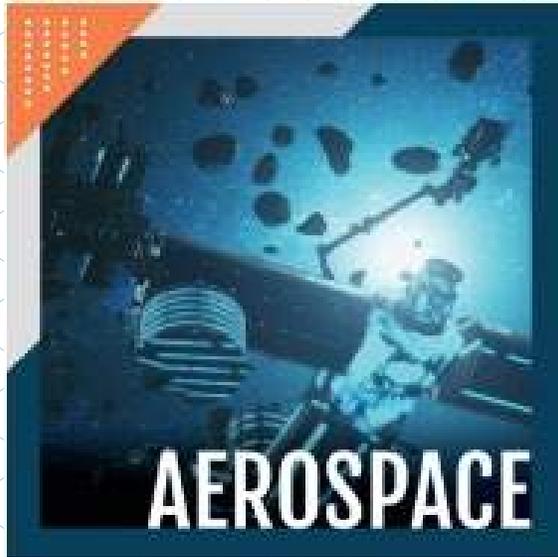


# Pathway Development

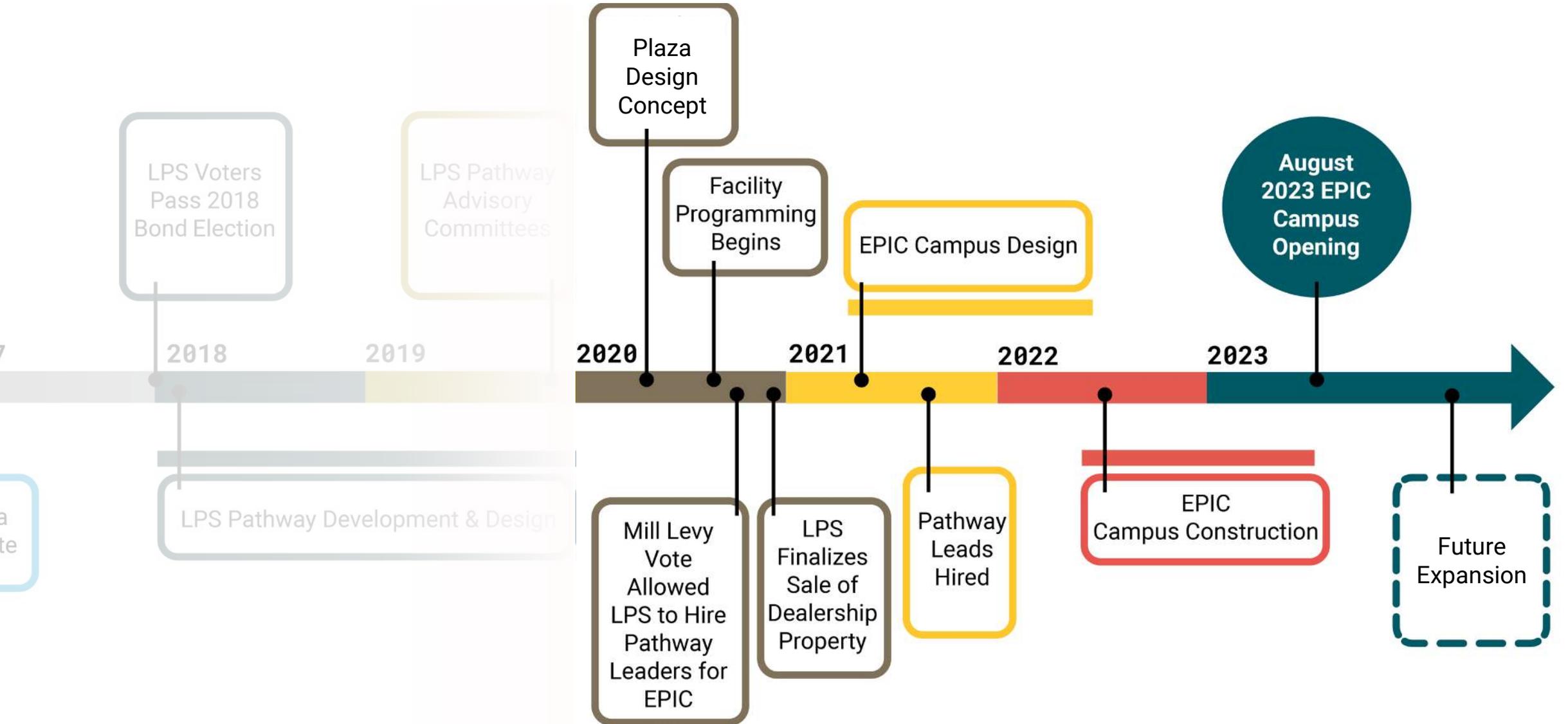
- Provide a systematic, intentional, sequence of learning in support of the **100% goal** and **Vision for Learning**
- Designed for **practical** application of all content areas
- Focused on attainment of highest demand essential skills within the **Portrait of a Graduate**
- Leads to a **variety** of post-secondary opportunities
- Designed with **multiple** on-ramps and off-ramps for students
- Predicated on the Colorado economic data for living wage, **high demand, high growth, high-capacity careers**



# Pathway Development



# the Transformation Continues...



# Site & Design Concept

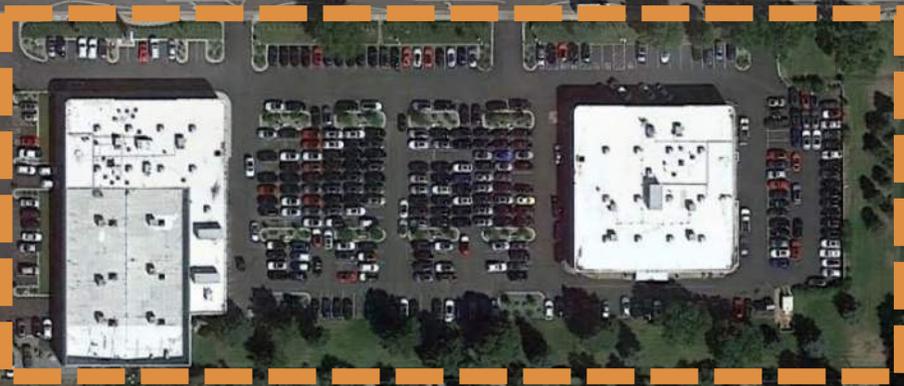
# Understanding the Site



South Broadway

Littleton High School

E. Littleton Blvd.

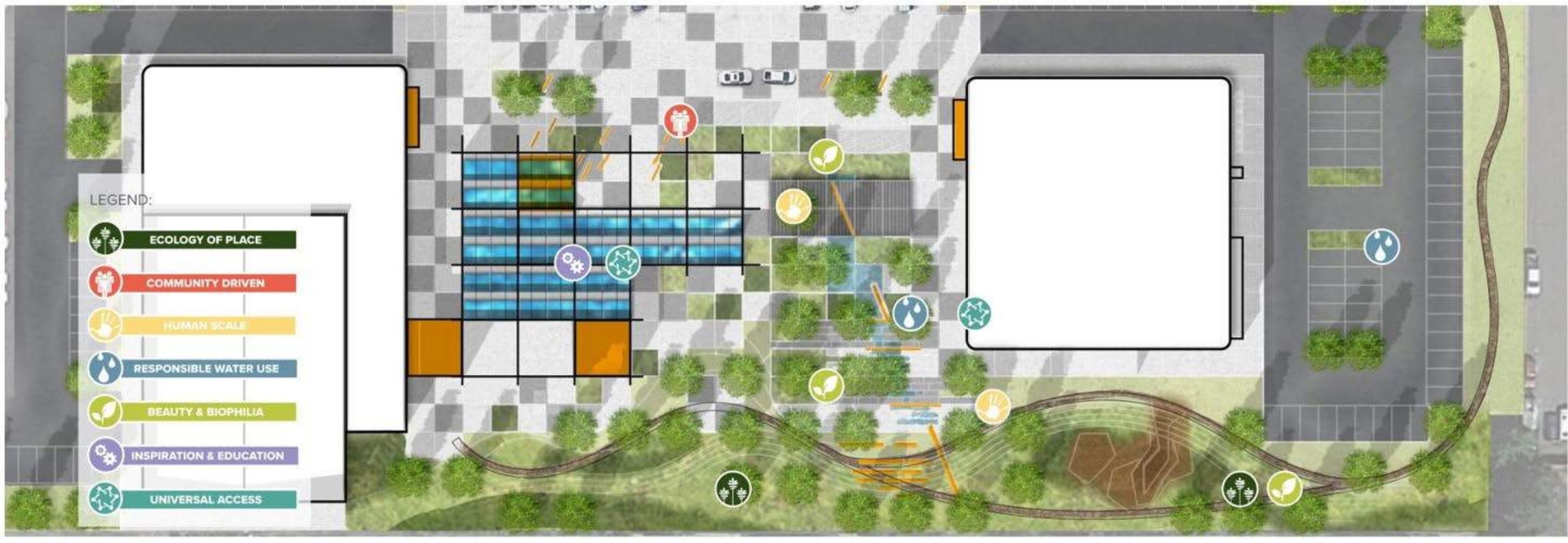


# Understanding the Site





# Predesign Site Design Proposal



# Over 75 DAG Workshop participants!



# Design Advisory Group

## Shared Vision for the EPIC Campus

We see an **exploratory** environment where **curiosity** and risk-taking is encouraged, **problem-solving** is typical and **collaboration** is essential.

We see a place that embraces **diversity** and **divergent thinking**. A place where learners, educators, and community members join their combined resources and talents; **empowering** students to remain curious, acquire skills and knowledge, and **take risks** in learning all while **maximizing opportunities**, even through failure.

We see augmented learning that is **student-driven, project-focused**, and **skills-based** that promotes **authentic engagement** to solve real community issues in an **inspiring, flexible**, and **transformational** space that opens possibilities for 100% of LPS students.

# Pathways Informing Design

- Initial test fit offering for stakeholder input
- Virtual breakout rooms used online white boards
- Comments informed the layout of the classrooms
- Defined indoor/outdoor spaces and cross-pathway connections



6-7 flex learning - is that too many? will they be unused/un-programmed?

if the flex range space will be used for events then you might consider relocating the cafe, functions and the post-room to accommodate the potential catering needs

How much is the furniture?

Will these walls be able to open up or will they be fixed in place

curious if the specialty rooms will be interchangeable based on needs

too much space?

curious about indoor/outdoor relationships of spaces

I like the large open space in the entrepreneurial hall. Can I assume that the furniture can all be moved or rearranged?

what options are available so that pathways aren't so isolated from each other in the separate buildings?

seems like the restroom counts are low

I like the windows into all the learning spaces so students can watch what others are doing

Will there be tracks and high capacity lifts on the ceiling?



Outdoor Learning Space is great

Any sound amplification system to facilitate outside learning/presentations?

Where will the waste disposal be and how do we look at upcycling all unused materials?

What about outdoor growing space?

# Pathways Informing Design

5:22

## Rapidly Prototype a Natural Resources "Outdoor Classroom"

An outdoor space where students can explore and express their learning in regards to landscaping, horticulture, and ecological systems.



# Pathways Informing Design



**EPIC CAMPUS**  
EXPLORATIVE PATHWAYS FOR INNOVATIVE CAREERS

## Natural Resources Pathway

Integrated Science & Biology equivalent, Chemistry, Algebra 1

**Plant Science**  
11-12 | 1 Sem | EPIC  
BASF Plant Science certification

**Conservation Ecology & Wildlife Management**  
11-12 | 1 Sem | EPIC  
Ducks Unlimited certification

**Water Fundamentals**  
11-12 | 1 Sem | EPIC  
River Watch certification

**Introduction to Horticulture**  
11-12 | 1 Sem | EPIC  
NALP Landscape Management Certificate Program

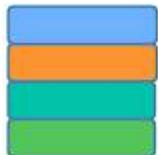
**Water Treatment**  
11-12 | 1 Sem | EPIC  
CDPHE water certification

**Wastewater Treatment**  
11-12 | 1 Sem | EPIC  
CDPHE water certification

**Horticulture capstone**  
12 | 1 Sem | EPIC

**Water Quality Management capstone**  
12 | 1 Sem | EPIC

Home High School  
EPIC Campus - Plant Science  
EPIC Campus - Conservation Ecology & Wildlife Management  
EPIC Campus - Water University



Before & After



Before: Existing West Building



After: West Building, Permeable Plaza & Bridge



Before: Existing East Building



After: East Building, Outdoor Classroom & Future Solar Canopy



Before: Existing West Building Lobby



After: West Building Commons



Before: Existing West Building Auto Repair Shop



After: West Building Addition



After: West Building Addition



After: West Building Addition



Before: Existing East Building Auto Repair Shop



After: East Building – Construction Trades



Before: Existing East Building Upper Level



After: East Building – Ideation Room



Before: Existing East Building Upper Level



After: East Building – Computer Science



Before: Existing East Building Repair & Parts



After: East Building – Aerospace Lab



# Storm Water & Water Quality Strategies

- Porous Landscape Detention
- Permeable Pavers
- Underground Storm Water Detention Vault

# LITTLETON HIGH SCHOOL CAMPUS

E. LITTLETON BLVD



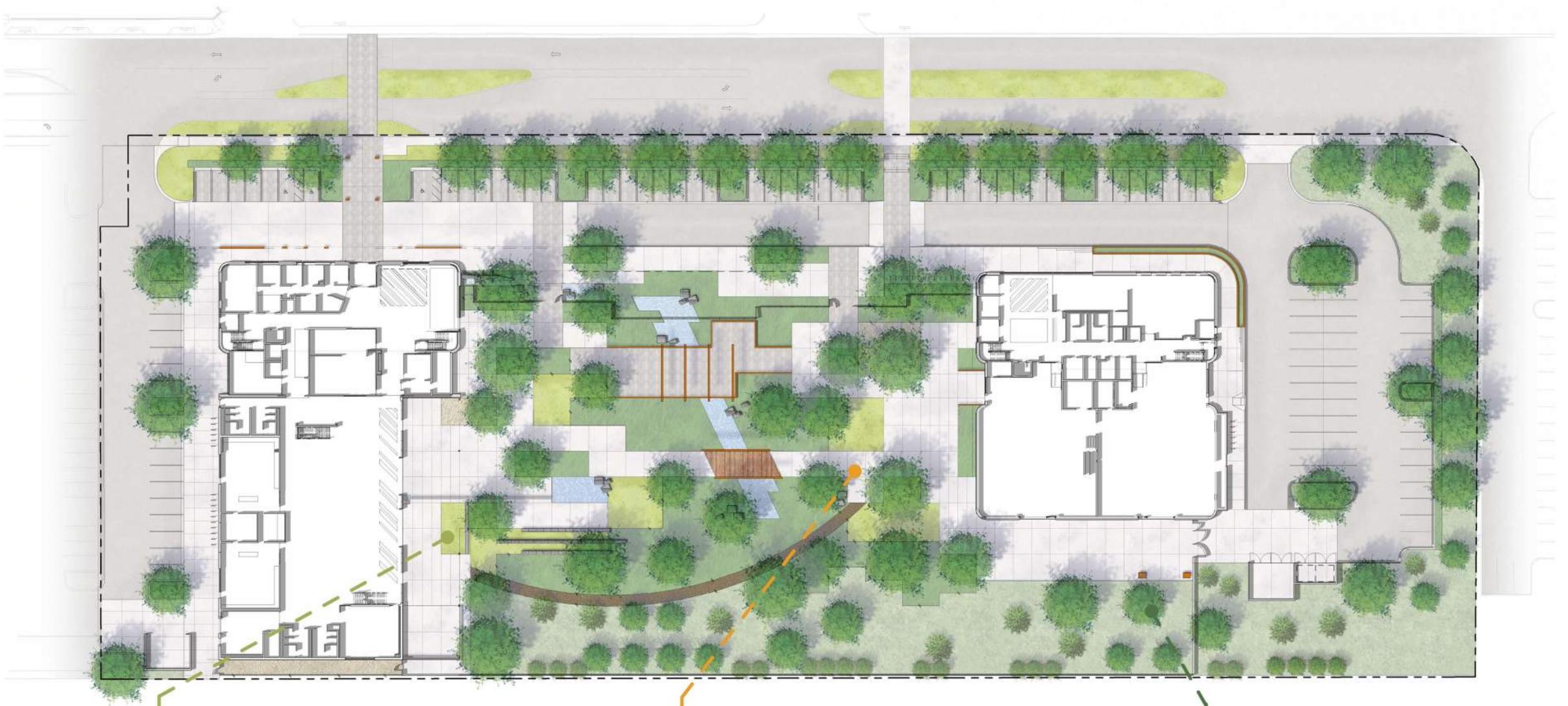
**56k**<sup>SF</sup>  
MOWN TURF



**104k**<sup>SF</sup>  
IMPERVIOUS SURFACE



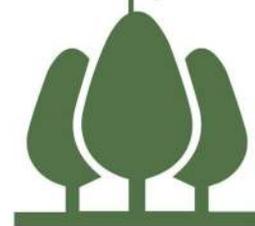
**51**  
TREES



**10k** SF  
LOW WATERING FESCUE



**80k** SF  
IMPERVIOUS SURFACE



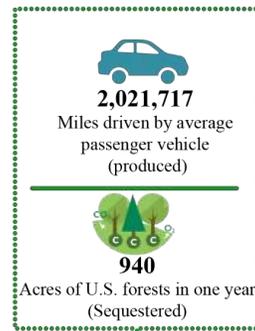
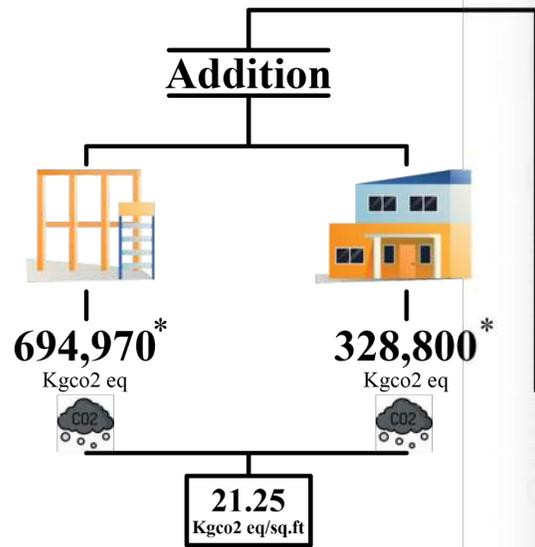
(13 TRANSPLANTED)

**88**  
TREES

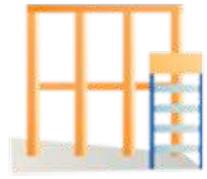
# Embodied Carbon Analysis

## Legend

-  Architecture
-  Structure
-  CO<sub>2</sub> emitted
-  CO<sub>2</sub> Avoided



\* Global Warming potential (GWP) | Biogenic Carbon included | LCA scope :[A-D]



Structure



Architecture

## West & East Building GWP Totals

• 1,935,730 KgCo2eq



Co2 emitted

• 788,640 KgCo2eq



Co2 Avoided



2,021,717

Miles driven by average passenger vehicle (produced)



940

Acres of U.S. forests in one year (Sequestered)

## New Building GWP Totals (same square footage)

• 2,724,550 KgCo2eq



Co2 emitted

• 0 KgCo2eq



Co2 Avoided

29%

Co2 Avoided



- What CTE engagement have you had?
- What challenges did you face?

# Small Group Discussion



# Getting Started

*the first school year...*

# Ribbon Cutting

- New Students, Parents, LPS Staff and Admin
- Industry Partners and the Littleton Community
- LHS Marching Band!





First Public Assembly – 300+ Attendees



First Day of Classes

# B&E – Shark Tank – Community



# Construction Trades & Experiences



# Industry Partners



# Hands-On Opportunities



# Healthcare & Technology



# Aerospace & Industry Led Projects



# Community Outreach



## EPIC STUDENTS HARVEST PRODUCE FOR GRACEFULL CAFE



12.05.23



# Gaining Momentum

*adapting for year two and beyond...*

# SIGNING DAY



# Junior Achievement Stock Market Challenge

- 5 competing schools
- Set up a mock Stock Exchange



# Natural Resources

Trout Release & EPIC Honey

# Trout Release Day



- Natural Science students grew trout from eggs since October and then got to released 83 trout into the Platte River.

# Trout Release Day



# EPIC Honey



Aerospace

# Additive Manufacturing & CNC – NASA Hunch Project

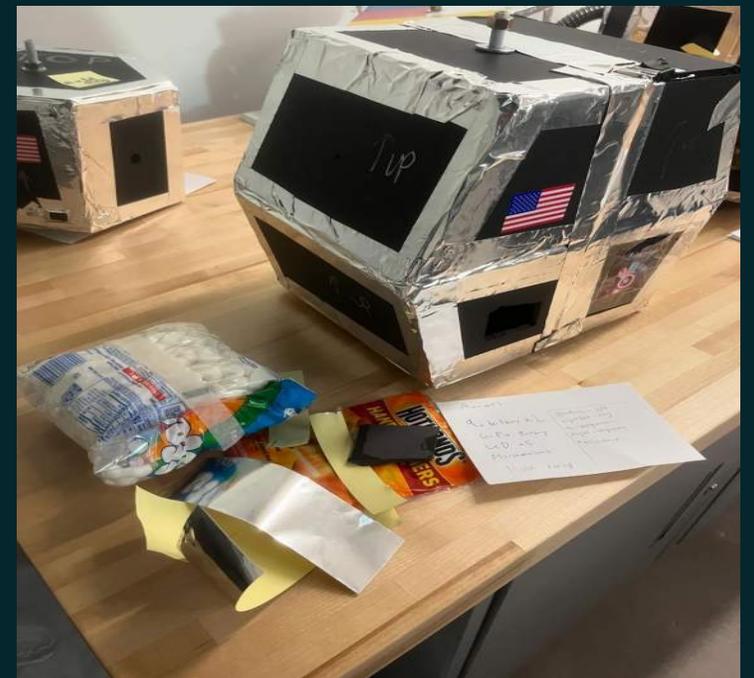
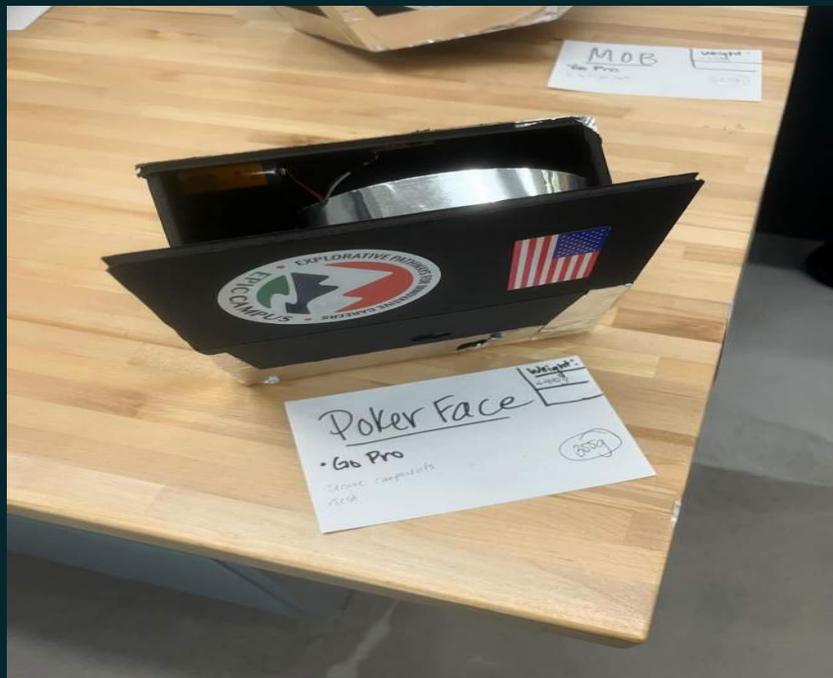


- Aerospace students work with industry standard equipment on projects that are used by NASA. They can deliver a quality part that meets the standards to be taken into space.

# High-Altitude Balloon Launch



- Aerospace students will send their payloads up into a high-altitude balloon launch and will analyze data collected.

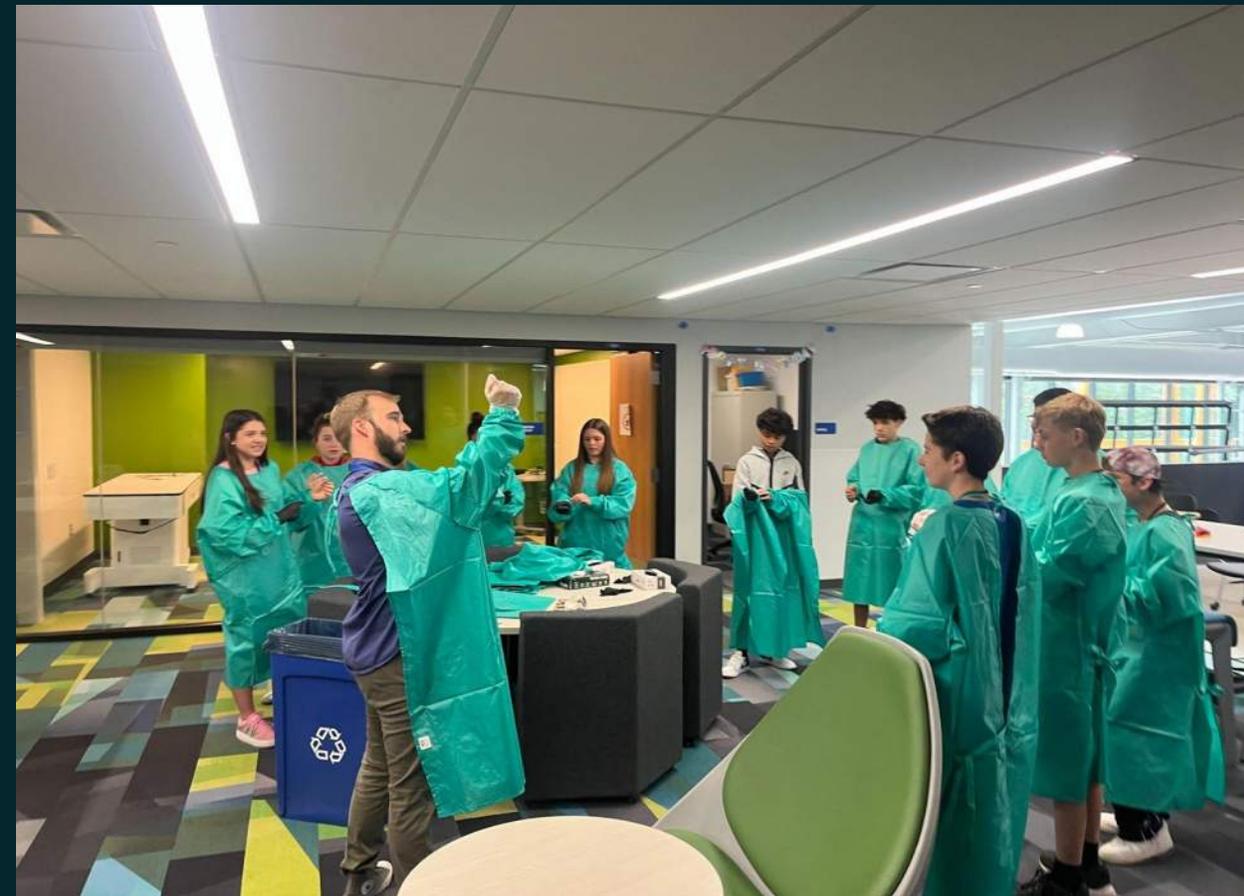


Expanding

[Age Groups]

Middle School EPIC Explore Camp

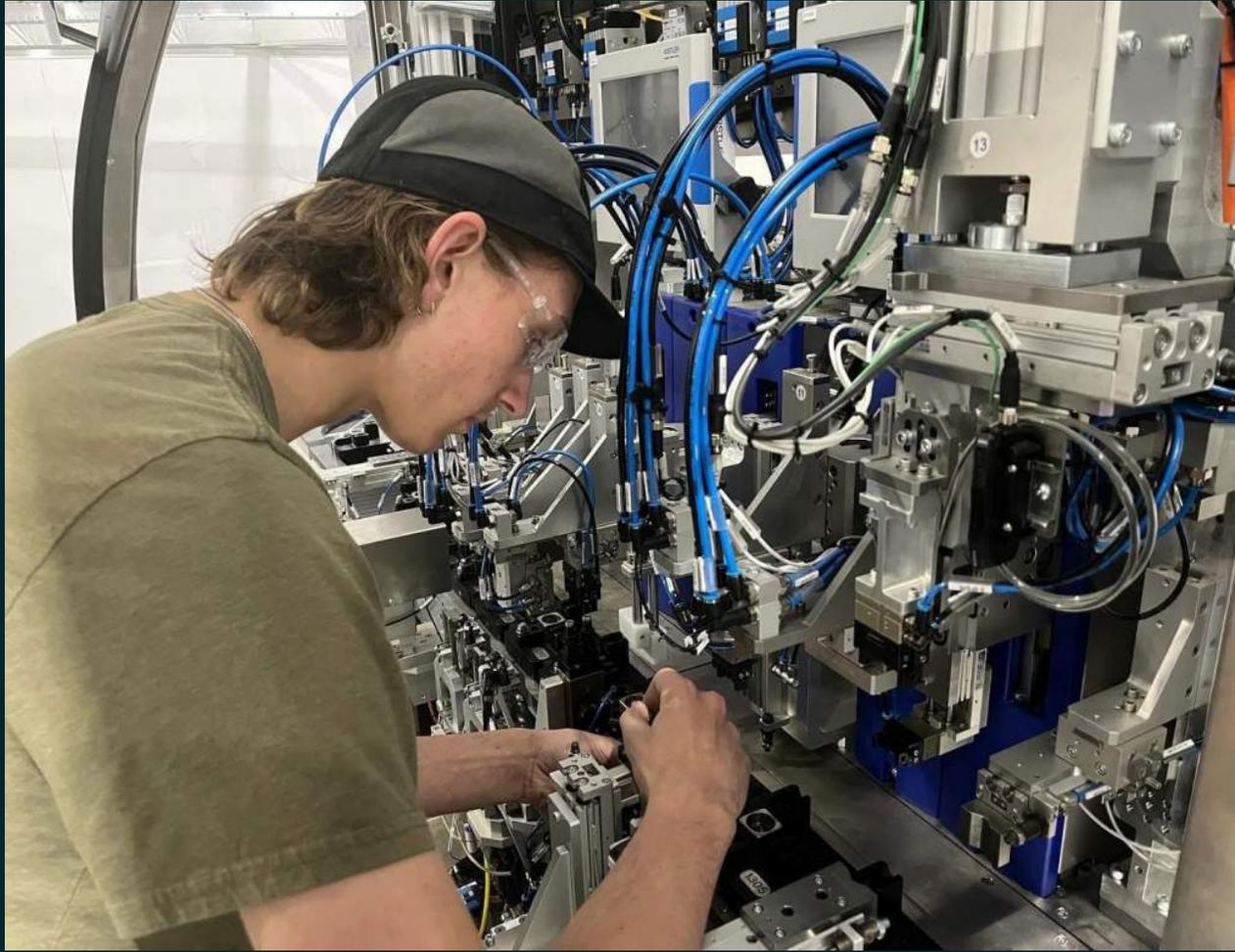






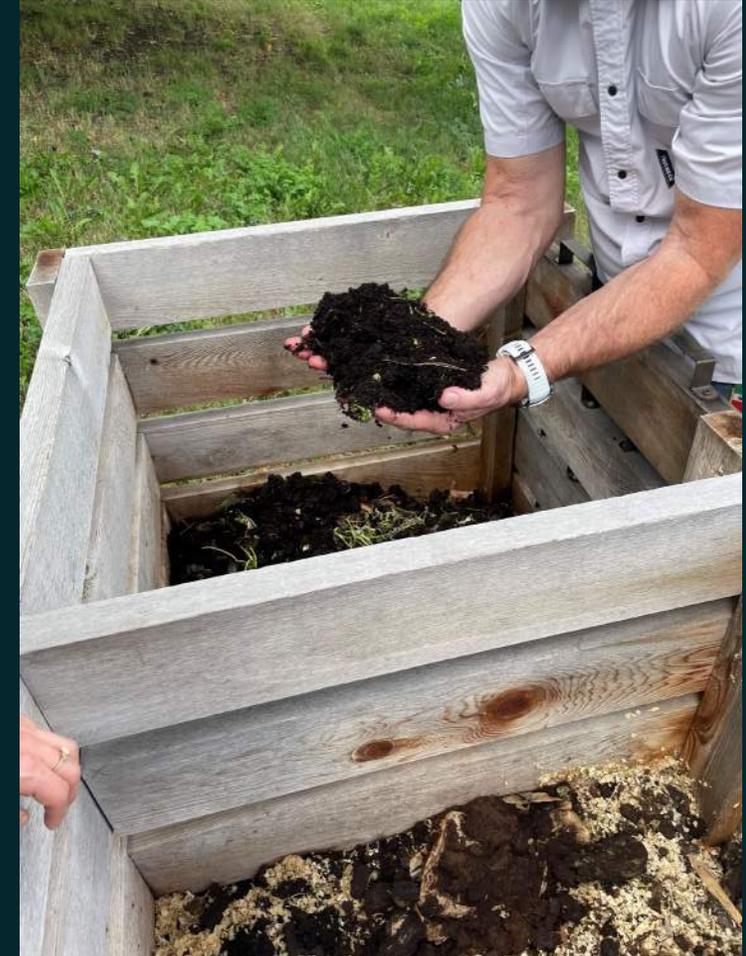
# Work Based Learning / Internships

# A Day in the Life



- EPIC Student and Mikron Apprentice Holden Breum shows off his project

# Compost Collaboration Project



- The construction trades pathway partnered with the Natural Resources class to design and built the compost bins used for the plant waste on site.

# Succulent Garden



- Plant science designing and installing a succulent garden on the EPIC Campus

# Collaborating with Habitat for Humanity





# RV Program

First in the Nation

# RV Program Ribbon Cutting



- Started program due to need for RV Techs
- First Student Internship led to Student being hired after certification





It is something **EPIC!**

**what are you curious about?**



# Learning and Evolving: Analyzing the First Two Years

## Littleton Public Schools EPIC Campus

### Contact Information:

Kari-elin Mock, Cuningham - [kmock@cuningham.com](mailto:kmock@cuningham.com)

Nadine Abell, Cuningham - [nabell@cuningham.com](mailto:nabell@cuningham.com)

Travis Amonson, EPIC Campus - [tamonson@lps.k12.co.us](mailto:tamonson@lps.k12.co.us)

<https://littletonpublicschools.net/schools/epiccampus>



**EPIC CAMPUS**  
EXPLORATIVE PATHWAYS FOR INNOVATIVE CAREERS

**Cuningham**

#edspace

# EDspaces

Designing the Future of Education

Columbus, OH | November 5-7, 2025

# Thank You!

Please scan the QR code to provide session feedback.



# EDspaces

Designing the Future of Education

Columbus, OH | November 5-7, 2025

# Thank You!

Please scan the QR code to provide session feedback.

**Mobile App** - If you have not done so already, please download the mobile app through your device's app store.

**Session Evaluations** - Rate Sessions Through the Mobile App Instructions:

1. Open and load mobile app
2. In the left sidebar, tap "Schedule"
3. Locate and select the session you are attending
4. After opening the individual session page, tap the "Session Survey" link to evaluate the session.

