



Bledsoe-Miller STEM Center



AGENDA

Project Site

Development Process

Vision & Strategy

Design

Project Construction Budget

Project Timeline

◀ Existing Bledsoe-Miller building

PROJECT SITE

- 1 Primary parking
- 2 Existing Bledsoe-Miller building
- 3 Primary entry
- 4 Walking trail
- 5 Secondary entry
- 6 Secondary parking

PROJECT
BOUNDARY

FUTURE
PLAYGROUND &
PARKING
UPGRADES



BRAZOS RIVER

THE VISION

A SCIENCE & TECHNOLOGY **RESOURCE** FOR THE COMMUNITY TO LEARN, GROW AND EXPERIENCE.

A SPACE FOR “**EDUTAINMENT**” FOR ALL AGES.

A CENTER THAT REPRESENTS GENERATIONAL WEALTH FOR THE **COMMUNITY**

TO HARNESS THE BEST IN **TECHNOLOGY** TO INVITE CURIOSITY, LEARNING & EXPLORATION

THE PATH

ESTABLISH

Identified Core Objectives: What are the primary functions and purposes of the center?

- Needs Assessment
- Design Preferences
- Operational Considerations

ENGAGE

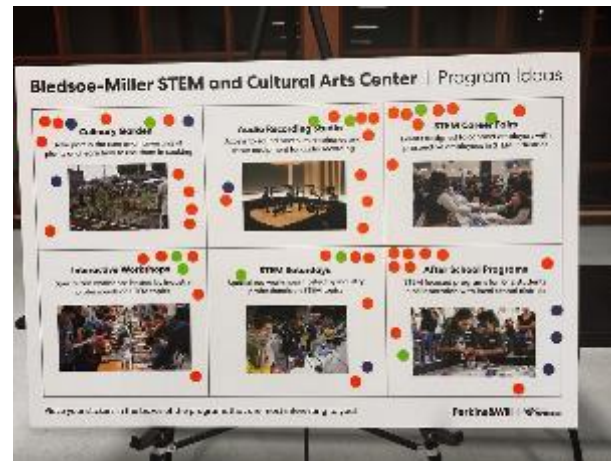
Stakeholder Input: Gathered input from potential users, community members, and other stakeholders to ensure the goals align with their needs and expectations.

MITIGATE

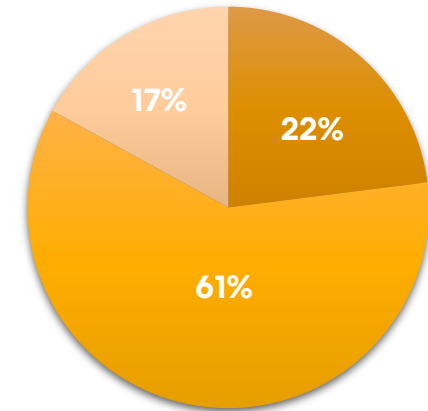
- Comprehensive floodproofing and remediation studies

ENVISIONING POSSIBILITIES WITH THE LOCAL COMMUNITY

- In-person engagement session
- Online survey



Age Distribution of Responses



- Youth (under 18)
- Adult (18-65)
- Senior (65 and over)

310 total votes

Community engagement event was held on 12.07.24 at the existing Bledsoe-Miller Center

COMMUNITY ENGAGEMENT TAKEAWAYS

Most desirable spaces:

Computer/Gaming Lab
Recording Studio
Teaching Kitchen

Most desirable classes:

Financial literacy
SAT/ACT Prep
Basic Computer
Culinary/Nutrition
Arts

Most desirable events:

STEM Festival
Art Fair
Career Fairs

Selected Responses:

“ Bring the community together
and something different for
Waco”
“ Become a treasured
resource..”

Selected Responses:

“Would provide a location for
families to explore and learn in
together”
“Motivate to pursue STEM”

DESIGN VISION & STRATEGY

AREAS OF FOCUS:



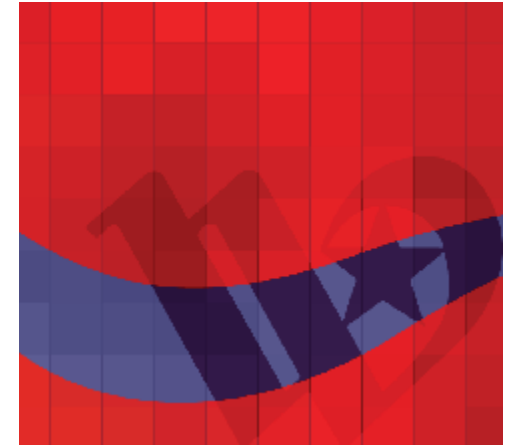
COMMUNITY

Creating a space that builds a sense of ownership and promotes involvement



FLEXIBILITY

Supporting different uses and adapting easily



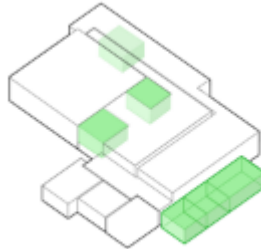
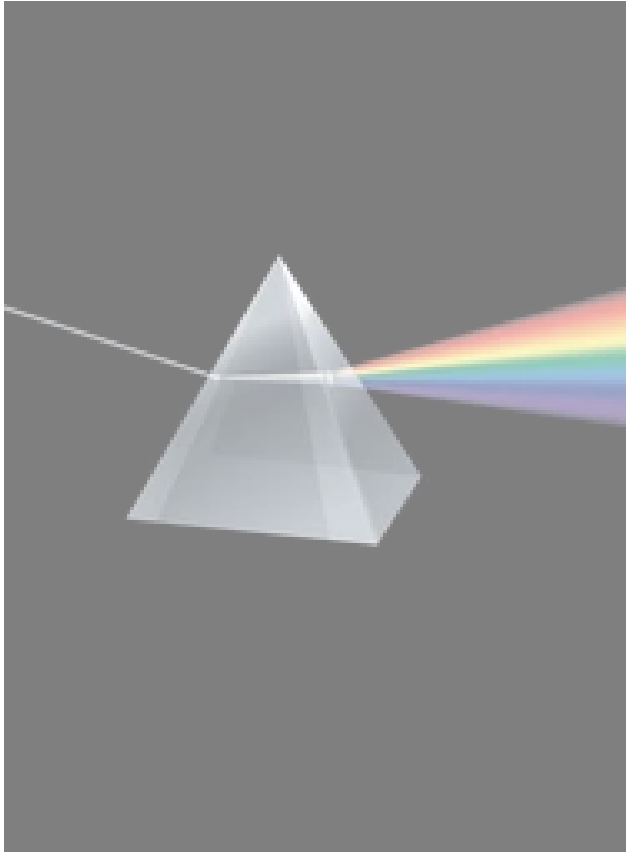
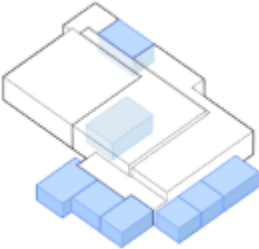
IDENTITY

Capturing community spirit, telling cultural stories and honoring namesakes

DESIGN VISION & STRATEGY

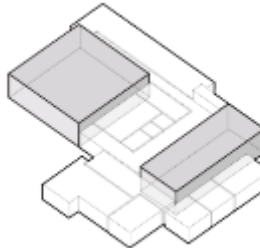
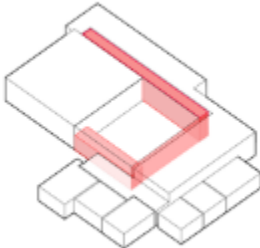
CONCEPT:

FOCUS
UNDERSTAND
LEARN



DISCOVER
CREATE
INNOVATE

TRAVERSE
REFLECT
EXPLORE



EXPAND
INTERACT
ENGAGE

EMPLOYING RGB COLOR MODEL TO ILLUSTRATE THE FUNCTIONALITY OF SPACES
AND
PAY TRIBUTE TO SCIENCE AND TECHNOLOGY

A MATERIAL PALLETTE THAT CARRIES THE CONCEPT



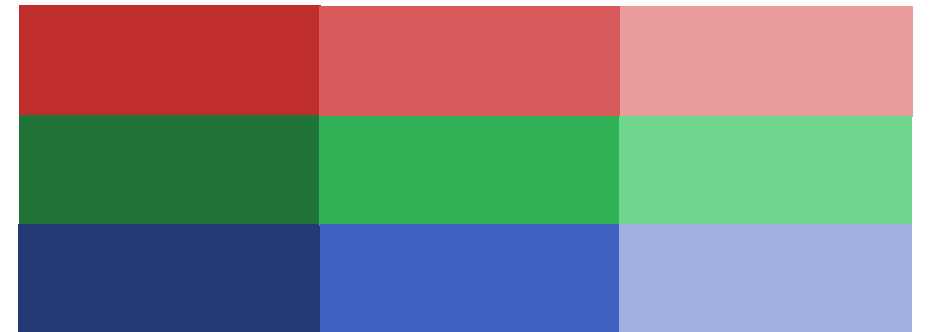
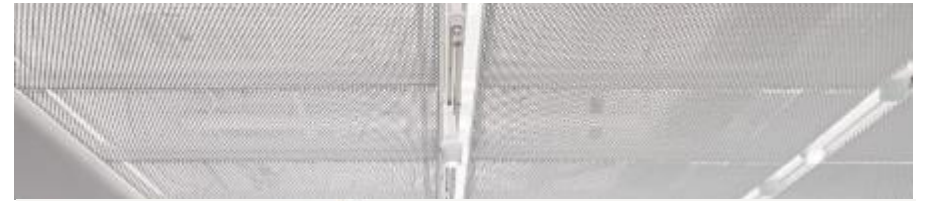
CONCEPT



INTERIOR FACADES



FLOORING



ACCENTS

MAKERSPACE
FLEXIBLE

OPERABLE WALLS PROVIDES FLEXIBILITY
& ACOUSTICAL SEPARATION

ADAPTABLE WORKBENCHES
PORTABLE MULTIMEDIA
PRESENTATION
CAMERAS

ADAPTABLE
MULTIMEDIA
WORKBENCHES
FLAT PANEL
DISPLAYS

CUTTING-EDGE TOOLS
ROOM
SCHEDULING
SCHEDULING
DISPLAY
PANELS
PANELS



ENTRANCE LOBBY
TEACHING ROOMS
MAKERS SPACE

*VINYL GRAPHICS DEPICTED FOR RENDERING PURPOSES ONLY



CENTRALIZED
SPEAKER SYSTEM

OPERABLE GLAZED COILING DOORS
TO INTEGRATE COURTYARD

ACOUSTIC WALL PANEL

MOVABLE FLAT PANEL DISPLAYS

SEMINAR ROOM

08.20.24 City Council Meeting

LEVEL 2 PROGRAM

RECORDING EXPERIENCE

CONCAVE GREEN BOARD
A VERSATILE SPACE
WALL

WITH STATE-OF-THE-ART
SUSTAINABLE MULTIMEDIA
TECHNOLOGY FOR:
HIGH PANEL DISPLAYS
360 SIMULATION
ADAPTABLE FURNITURE
COLLABORATION

PRESENTATIONS

REPRESENTATION

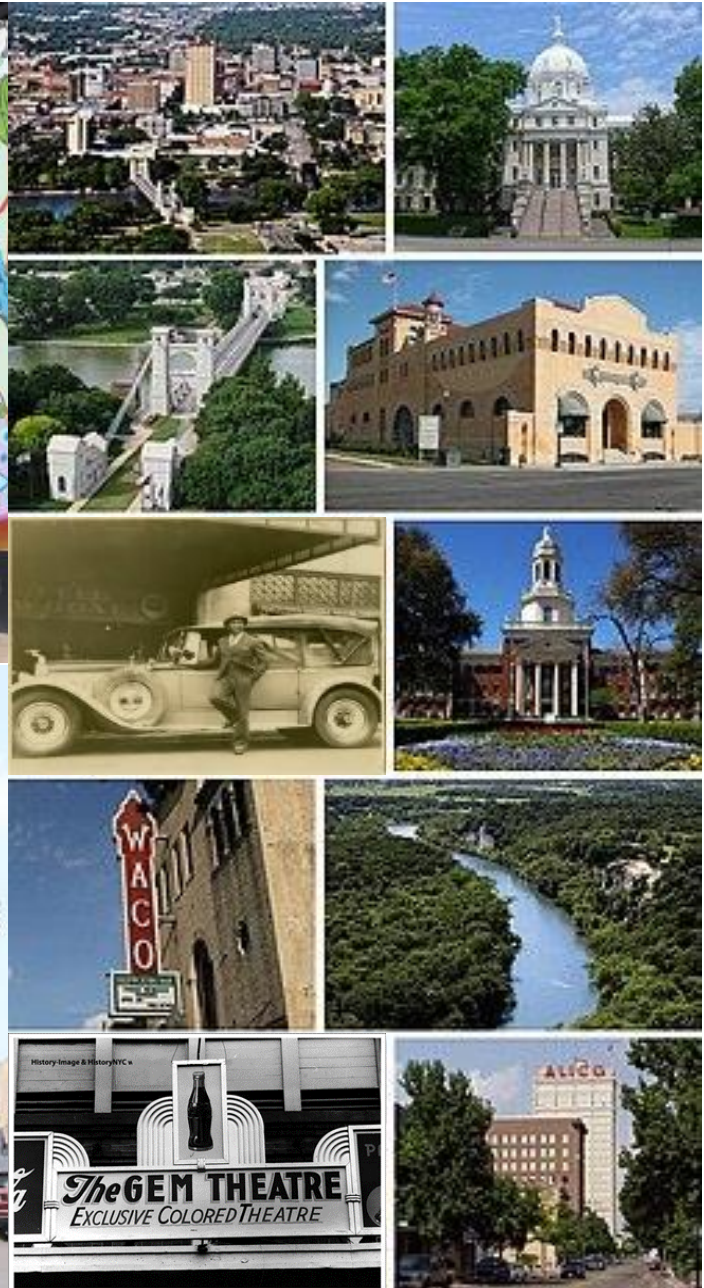
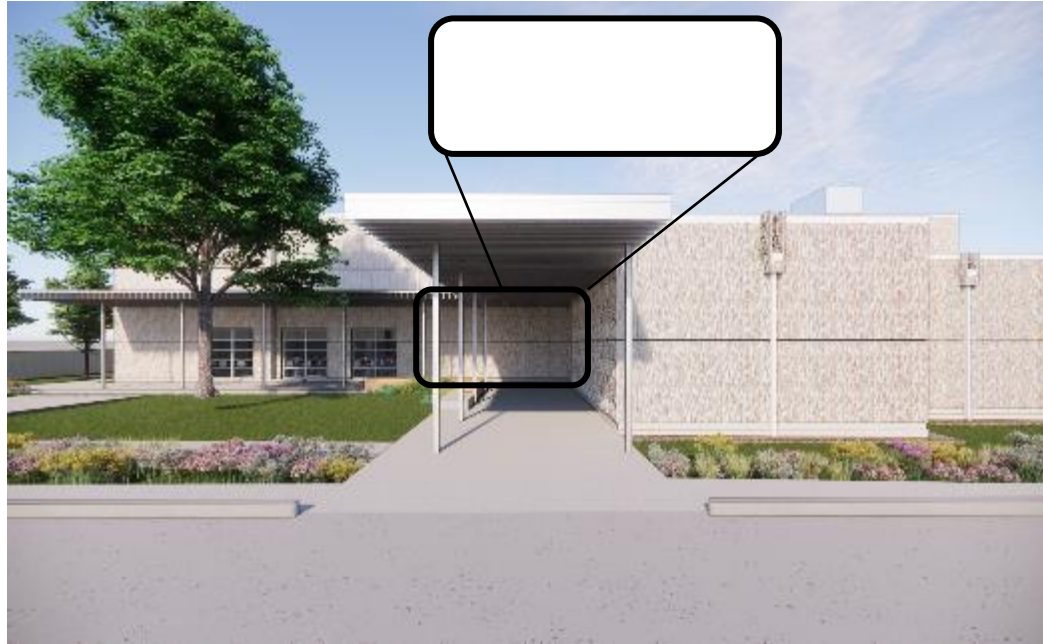
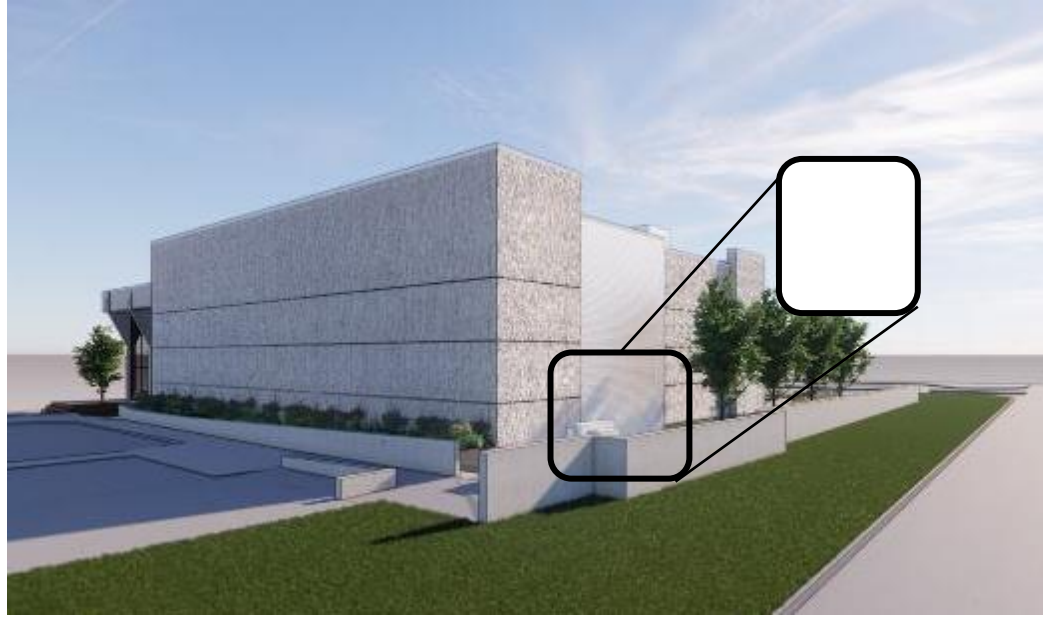
INTERACTION

DISPLAY PANELS

A dollhouse view of Level 2 (5,



CREATE SENSE OF OWNERSHIP OF LOCAL COMMUNITY AND HONOR HISTORY OF PLACE AND NAMESAKE



VIEW FROM PRIMARY PARKING ENTRY



VIEW FROM ACROSS THE RIVER



WALL AREA TO BE
PREPPED FOR
FUTURE PUBLIC ART

VIEW FROM ENTRY SIDEWALK



300

*WALL GRAPHICS DEPICTED FOR RENDERING PURPOSES ONLY



RECEPTION & LOBBY

*VINYL GRAPHICS DEPICTED FOR RENDERING PURPOSES ONLY



GALLERY

*VINYL GRAPHICS DEPICTED FOR RENDERING PURPOSES ONLY



GALLERY

*VINYL GRAPHICS DEPICTED FOR RENDERING PURPOSES ONLY



MULTIPURPOSE ROOM

PROJECT BUDGET OVERVIEW

Construction Cost Estimate

Scope	Estimate
Building Interior Renovation	\$ 8,063,626.48
Façade Improvements	\$ 129,678.00
Exterior Floodproofing	\$ 1,241,816.91
Landscape & Site Improvements	\$ 473,833.00
Furniture, Fixture & Equipment	\$ 800,000.00
Bonds, Insurance, O&P, Indirect Costs	\$ 1,211,652.35
Contingency & Escalation	\$ 906,925.30
Design Fee	\$ 878,000.00
Total Project Cost	\$ 13,705,532.04

COST IMPACTS

- Floodproofing
- Extensive replacements of MEP and structural systems
- Upgrades to meet current code requirements

NEXT STEPS



- **STEM Center Construction - \$13.7M est**
- **Adjacent Playground Review - \$1M**
- **Explore Mural Opportunities**

Perkins&Will

Thank you!

