Gavilan College

STEM Center EMP Project Taskforce Meeting #3

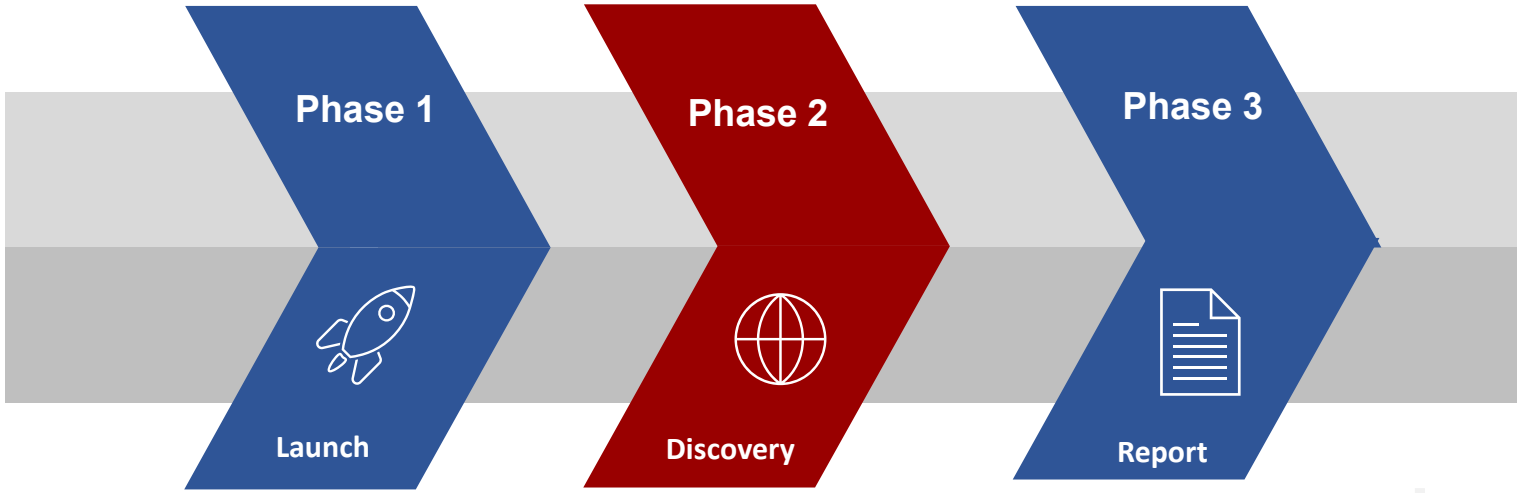
Thursday, May 18, 2023; 2:00-3:00 PM

https://us02web.zoom.us/j/84819129873?pwd=TzRua1pHckF4NjdGZnRWSnQ5emVBQT09

Agenda

1. Welcome and Agenda Overview
2. Internal Stakeholder Survey: Findings and Themes
3. Student Listening Sessions and Faculty/Classified Professionals Focus Group: Findings and Themes
4. Common Themes
5. External Stakeholder Questionnaire
6. Exploring Possible Career Education Options
7. Closure and Next Steps

Workplan and Timeline



	Phase 1	Phase 2	Phase 3
Purpose	***Organize the project team and refine the workplan and timeline.***	***Systematically survey, analyze, and interpret relevant data.***	***Synthesize all findings to develop integrated planning principles.***
Activities	• Define objectives, roles, responsibilities. • Form Taskforce. • Schedule meetings. • Develop Project Communication Plan. • Develop Stakeholder Engagement Plan.	• **Review Key Plans and Reports.** • **Conduct external and internal environmental data scan.** • **Administer surveys.** • **Conduct focus groups.**	• Synthesize findings. • Identify connections between key planning principles and facilities planning. • Develop curated portfolio of findings. • Develop the Integrated Educational and Facility Plan (IEFP).
Timeline	March 31-April 15	April 15-June 2	June 5-June 30

KEY STEM PROGRAM STRENGTHS

FACULTY and STAFF

Expertise

Helpful

Supportive

Diverse

ACADEMIC AND SUPPORT SERVICES

Tutoring

Workshops

Student Services

Basic Needs

CONNECTIONS

Students with Faculty and Staff

Students with Students

Gavilan College's STEM Program Aspiration (Vision)

What should Gavilan College's STEM program strive to be known for in the future?

- 92% said:

- **Providing STEM students with clear pathways and the support services needed to complete certificates and degrees and successfully transition to four-year colleges/universities or to high-paying STEM careers or career advancement.**

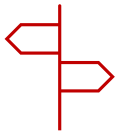
HIGHEST PRIORITIES FOR FULFILLING THE VISION

- Enrollment of Hispanic and low-income students in STEM pathways
- STEM programs/activities for all K-12 students via of expanded learning (e.g., in school, after school, summer programs)
- Communicate importance of STEM education and Gavilan's program providing pathways to in-demand/high-wage jobs

- New, innovative degree/certificate programs in high demand, STEM (or related) fields
- STEM courses in multiple modalities (in-person, synchronous and asynchronous)
- Hands-on learning experiences to create and sustain interest in STEM

- Partner with non-profit and social service agencies to address basic needs
- Ensure access to the technology needed to succeed.
- Increase academic and professional opportunities for all STEM students (e.g., apprenticeships, internships, mentorships, work-based learning programs).
- Develop long-term articulation agreements with four-year institutions that supply STEM talent to the region's top employers.

To Focus On Priorities

 Pathways	**Continue to analyze and refine pathway practices:** ✓ 1–2-year predictable schedules that will allow students to balance school, life, work responsibilities. ✓ Scheduling to support the timely completion of degrees/certificates (prerequisite courses aligned term-to-term without conflicting course patterns)
 People	**Continue to advance:** ✓ professional learning opportunities for ALL faculty and staff to help them maintain superior knowledge and skills ✓ to successfully serve diverse learners, especially Hispanic and low-income students..
 Resources	**Invest in:** ✓ state-of-the-art technology ✓ facilities needed to deliver the excellent STEM courses and programs ✓ optimize current spaces ✓ enhance welcoming and sense of belonging

Highlights from Student Listening Sessions

Excellent Instructional

Dual enrollment pathway
Strong program
Excellent, caring Faculty/Staff

Pathway Supports

Connections: MESA, Clubs
Transfer resources
Tutors
Workshops

Technology

Cell and Broadband Limitations
+
Spaces for individual and group work

Spatial Features

Like “natural” outdoor spaces
Want collaboration + individual spaces
Want makerspace
Better lighting & “populated”
Food, coffee, gathering space

Student Advice and Perspectives

More advertising of events and opportunities

Mix of modalities (online and in-person courses allow for full engagement, hybrid for flexibility)

More classes in Hollister

Mix of Challenges: Scheduling + Transportation + Space to Log-In

Study spaces (individual and small group) more available (evenings, weekends)

More hands-on learning (“playroom to test ideas, make scientific observations”)

Outside: more shade, trellis for arboretum, student art

Faculty and Staff Focus Group #1

Key Highlights

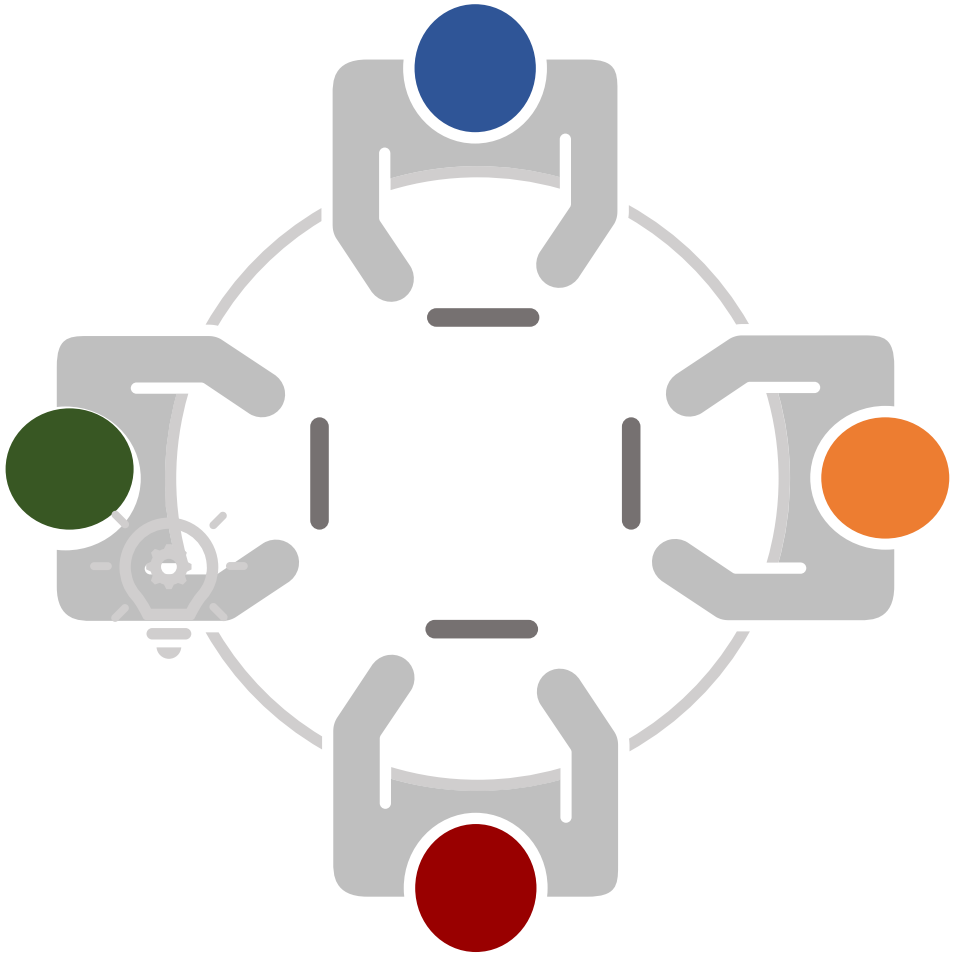
- Optimize Gavilan's proximity to regional industry hub.

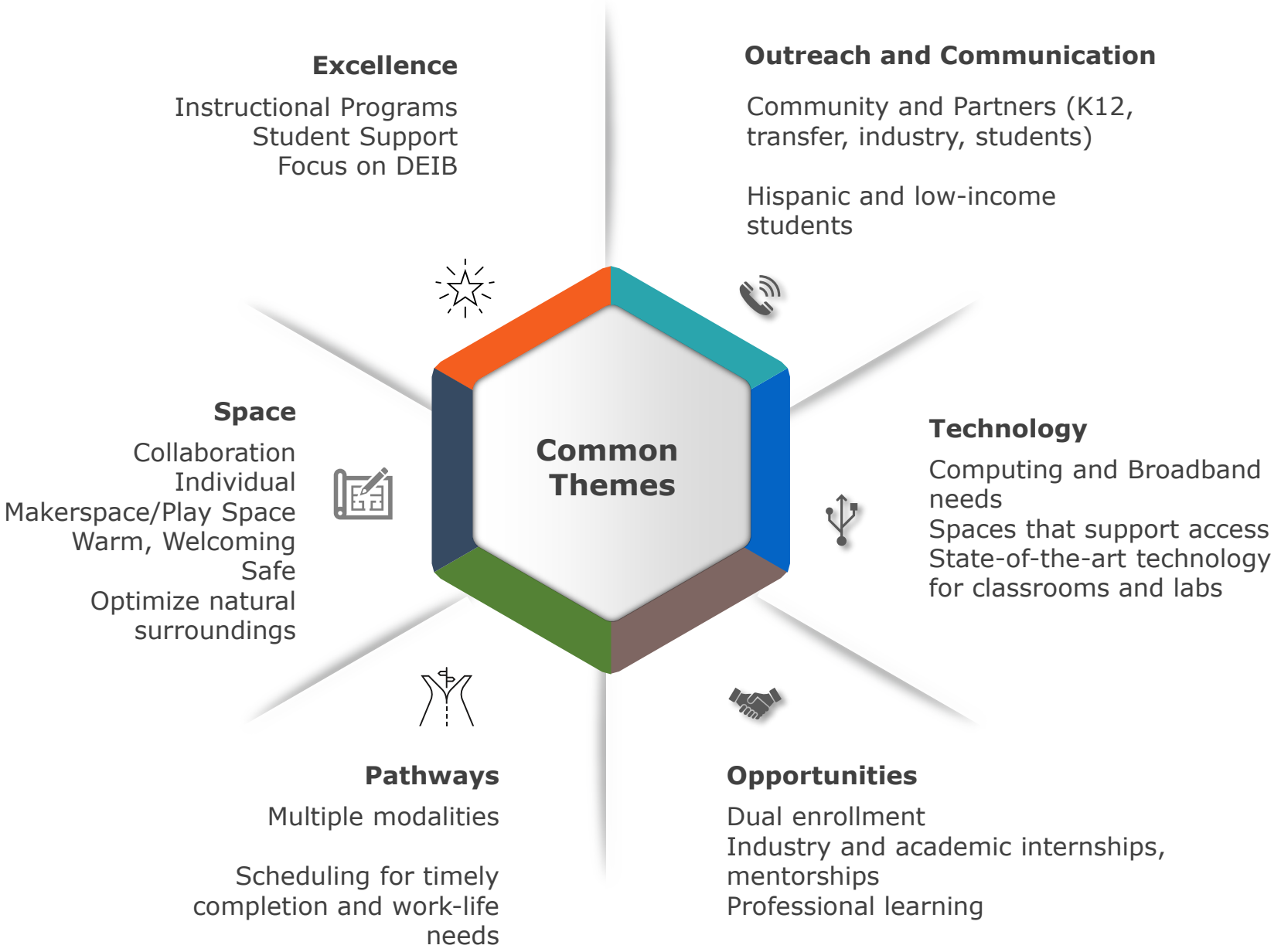
- Future Directions:
  - Electrical Engineering
  - Computer Science integrated
  - "data scientist" program
  - biotech certificate
  - Cyber Security
  - More dual enrollment

- Instructional modalities: mix of fully online, hybrid, in-person

- Space:
  - Supportive of discussion formats
  - Hyflex
  - space for adjunct faculty
  - Makerspace ("tinkering space")
  - Enhance outdoor spaces
  - Collaboration, small group spaces
  - Hands-on learning
  - Proctoring room

- Spatial Considerations
  - Broadband
  - Acoustics
  - Mounted cameras




Excellence
Instructional Programs
Student Support
Focus on DEIB
Outreach and Communication
Community and Partners (K12, transfer, industry, students)
Hispanic and low-income students
Space
Collaboration
Individual
Makerspace/Play Space
Warm, Welcoming
Safe
Optimize natural surroundings
Common Themes
Technology
Computing and Broadband needs
Spaces that support access
State-of-the-art technology for classrooms and labs
Pathways
Multiple modalities
Scheduling for timely completion and work-life needs
Opportunities
Dual enrollment
Industry and academic internships, mentorships
Professional learning

External Stakeholder Survey (Tentatively May 12-26)

Strategy

Participants?

K12, HS dual enrollment partners
Transfer?
Industry?

Areas of Inquiry?

Student needs, challenges, technology, DEIB,
OTHERS?

Outreach?

Who? How? When?

Exploring Career Education Options: Dialogue and Guidance

Next Steps

- External Stakeholder Survey (May-Early June)
- Environmental Scan
- Integrated Educational and Facility Plan (IEFP)
- Fall Faculty Focus Group #2 (TBD) & Tours?

Thank you!