
Education
Taking the next step
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## Education

- 5K Kids will visit the facility this year on education tours – Which has now stabilized post COVID
- Bus program ramping up continues
- Educator Guides/Programs online with major SM push







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## We Are A Regional Facility With Children Attending From Across the Region

- 29% Coachella USD
- 41% Desert Sands USD
- 9% Morongo USD
- 7% Palm Springs USD
- 10% Independent or Charter

- 50% Attending are Below the Median Household Income Regionally

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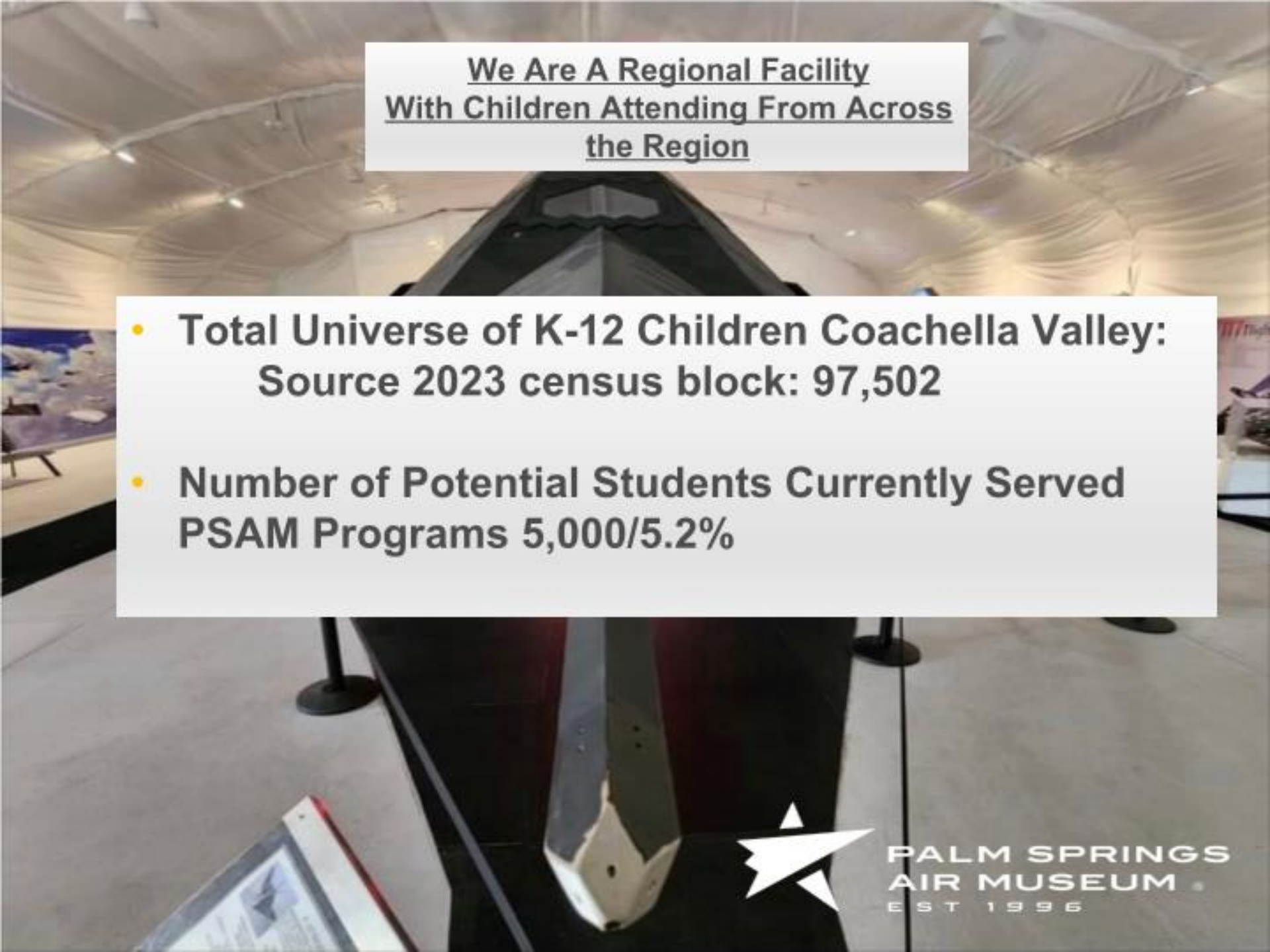
We Are A Regional Facility
With Children Attending From Across
the Region
Total Universe of K-12 Children Coachella Valley:
Source 2023 census block: 97,502
Number of Potential Students Currently Served
PSAM Programs 5,000/5.2%
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# We Are A Regional Facility With Children Attending From Across the Region

| | Total 18 yrs and younger | Proportion of Total Population |
|---|---|---|
| Coachella | 14,766 | 34.33% |
| Desert Hot Springs | 9,028 | 27.34% |
| Indio | 24,162 | 26.56% |
| Cathedral City | 11,624 | 22.26% |
| La Quinta | 6,618 | 17.02% |
| Palm Desert | 6,572 | 12.57% |
| Palm Springs | 5,542 | 11.96% |
| Rancho Mirage | 1,509 | 8.73% |
| Indian Wells | 342 | 6.91% |
| | | |
| Coachella Valley | 97,502 | 21.65% |
| | | |
| Riverside County | | 22.44% |
| California | | 24.68% |
| USA | | 21.64% |

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# We Are A Regional Facility With Children Attending From Across the Region

**U.S News and World Report High School Rankings 2023**

**1,536 schools ranked in California.**

- **No. 385: Palm Springs High School, Palm Springs**
- **No. 395: Palm Desert High School, Palm Desert**
- **No. 675: La Quinta High School, La Quinta**
- **No. 781: Rancho Mirage High School, Rancho Mirage**
- **No. 1,156: Coachella Valley High School**

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## We Are A Regional Facility With Children Attending From Across the Region

- The Museum provides free of charge to the students who attend:
  - Admission to the facility
  - Transportation
  - Lunch
  - Study Guides/Video Documentaries
- We are also the only facility in the region that provides free admission to all children 12 and under as part of our mission

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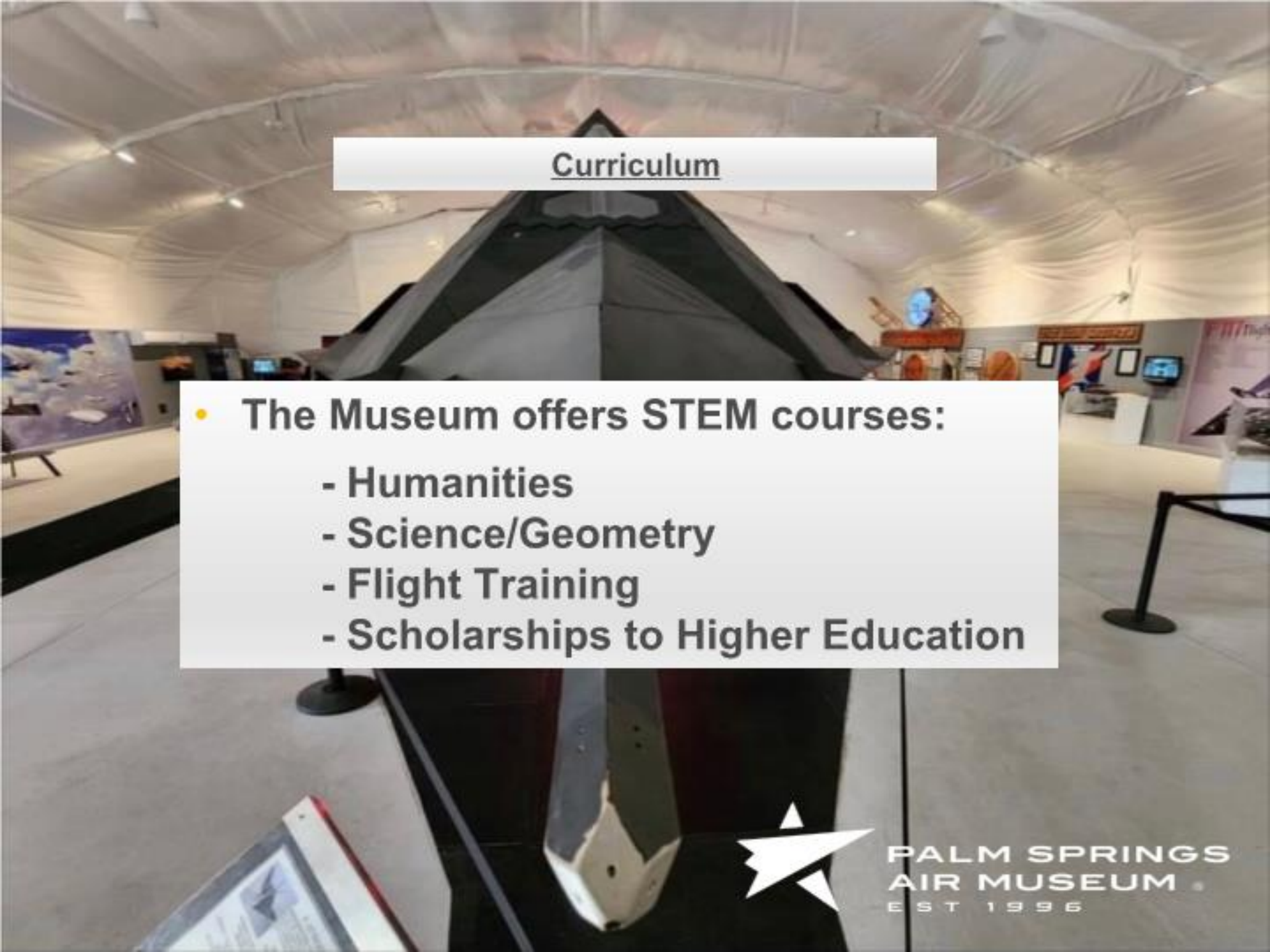
Curriculum
The Museum offers STEM courses:
- Humanities
- Science/Geometry
- Flight Training
- Scholarships to Higher Education
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# Curriculum

## Why STEM?

- The U.S. National Science Foundation (NSF) coined the term "STEM" in 2001, noting how students were not achieving in the science, technology, engineering and mathematics disciplines compared to other countries. It was considered a risk to the country's ability to compete in the global economy.

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# Curriculum

## Why STEM?

## 1. Increases Innovative Thinking

- **"I don't think outside the box. I think of what I can do with the box." - Henry Matisse**
- With the rapid evolution of technology and engineering, STEM-focused education has never been more pertinent to the future. In fact, STEM jobs have grown 79% since 1990, according to the Pew Research Center, outpacing other occupational growth by a landslide. That's because STEM education teaches students to solve and prevent modern societal problems with innovative thinking. Through experimentation, students learn new ways of observing, analyzing and solving complex issues. Whether it's engineering, computer technology or basic arithmetic, students will be able to pinpoint obstacles and work through them with an "outside of the box" mindset.

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**Why STEM?**

## 2. Encourages Curiosity

- **"The mind that opens to a new idea will never return to its original size." - Albert Einstein**
- Subjects that require problem solving will ultimately lead to the question "*How* can this be solved? And *why* does this solution work?" Fostering an environment that encourages questions helps to ignite a spark of wonder in students, no matter their age. Inspiring curiosity also means inspiring exploration, imagination and the drive to discover new answers.

**Why STEM?**

## 3. Inspires Creativity and Ingenuity

- **"Imagination is the beginning of creation. You imagine what you desire, you will what you imagine, and at last, you create what you will." - George Bernard Shaw**
- Complex problems often require creative solutions. Because of this, students learn to analyze questions both critically and creatively. Open-ended, STEM-focused activities cultivate creativity by motivating students to use their own imagination and resources to interpret the situation. In fact, a study done by 29 physics teachers in Indonesia demonstrated that students' creativity was enhanced by integrating STEM knowledge into their activities.

**Why STEM?**

## 4. Fosters Collaboration and Communication

- **"Teamwork is the secret that makes common people achieve uncommon results." - Ifeanyi Enoch Onuoha**
- Most STEM careers don't take place in silos. Bridges are not built by one man alone, and a hypothesis can't be proven without peer review. Team projects, especially in STEM subjects, allow students to collaborate on complicated problems and form valuable interpersonal skills. These kinds of projects also allow teachers to observe how their students communicate, compromise and lead discussions with their peers. This peer-to-peer collaboration prepares them to excel in any field where healthy communication and people-positive leadership is key

**Why STEM?**

## 5. Builds Confidence and Teaches Acceptance of Failure

- **"When we give ourselves permission to fail, we, at the same time, give ourselves permission to excel." - Eloise Ristad**

- Although it may not seem like it sometimes, it's true that success and failure go hand in hand. In order to find the correct answer to a problem, we must often eliminate the incorrect answers. Experimentation teaches students that they may not always succeed, but it also teaches them to learn from their failures. Accepting failure is an important skill in school, careers and our personal lives. And it also makes success that much sweeter! Discovering the solution after a number of failures motivates students to keep trying—and to believe in themselves, even when the odds seem to be against them.

# Curriculum

## Why STEM?

### 6. Prepares Students for High-Demand Careers

- **"The best preparation for tomorrow is doing your best today." - H. Jackson Brown, Jr.**
- Fostering a passion for STEM can lead students down lucrative, life-changing paths. According to the Bureau of Labor Statistics (BLS), the average salary for STEM workers is $95,420. That is more than double the national average for non-STEM occupations, which is around $40,120. The BLS also estimates that STEM career opportunities are set to grow by 10.8% until 2031, with non-STEM occupations only seeing a growth of 4.9% in that time.

# Curriculum

- **It's not that you must think outside the box. Sometimes you must build the box!**

- Read the plans
- Determine the dimensions to cut
- Cut the metal
- Determine the bends or folds in the metal
- Drill rivet points
- Install rivets

•Example of classwork at PSAM in metal working.

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# Expansion

## Materials, Bronze Statue & Flag Relocations

New Steel Frame and Tensile material facade system

New placement for Tuskegee Airmen bronze statues near front entrance

Distinguished Flying Cross Statue relocation

Artillery gun relocation

New prefab building additions. See pages 6-7 for color options for aluminum siding. (Current View: Shining Scale PPG0968-1)

New placement for 'Wings' boy with airplane bronze statue near left parking lot

New covered up entry and entrance signage

New American Flag and Service Flag locations around Social Circle

New Bronze Statue location in Social Circle

Existing roundabout asphalt surface to remain; New paint striping

HED

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# Expansion


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# Expansion


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# Expansion

- **Expansion Target**
  - 200 Seat Multipurpose Teaching Facility
  - Double Our Student Capacity

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# Expansion

- **Expansion Cost**
  - $3.5M Total Cost
  - $1.5M Berger/Auen Foundations
  - $2M Raised to Date
  - $1M Construction Credit Line Berger/Auen
  - Construction Drawings in Process
  - Construction to Commence Q2 2024

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