Friends of Phenix City Schools

Pursuing Excellence on Behalf of Every Student in Every School

Gift Giving Opportunities 2015-2016

FRIENDS OF PHENIX CITY SCHOOLS

The mission of the *Friends of Phenix City Schools* (FOPCS) gift fund is **to build partnerships between Phenix City Schools and its friends and to solicit private financial support for the system**. More and more each year, PCS has to rely on private support to bridge the gap left by decreased state and federal funding.

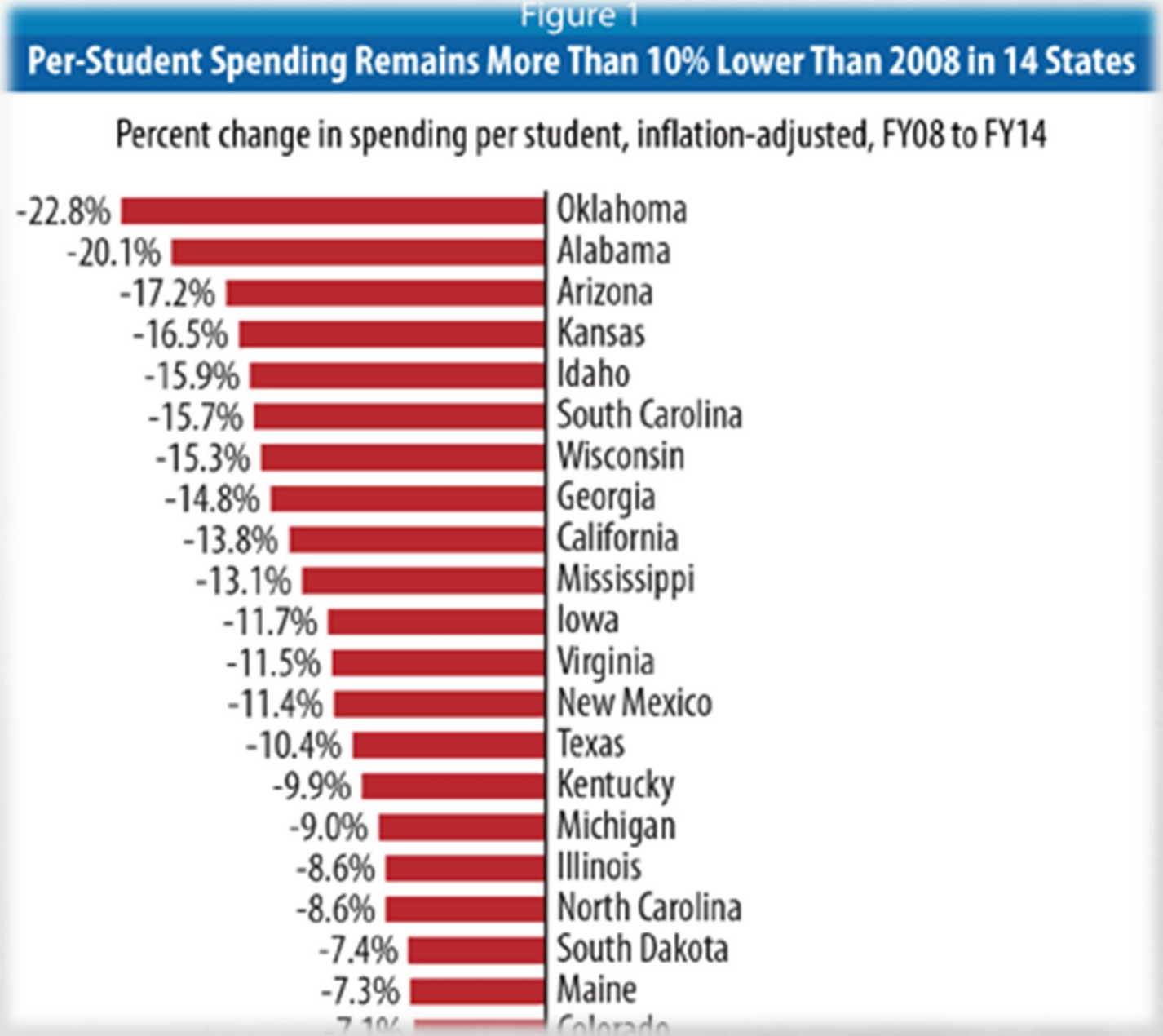
FOPCS works closely with the community and alumni to raise money to support PCS. Gifts will support program enhancements, new equipment purchases and facility additions and renovations.

Please view this presentation and consider the immediate means in which you may give in support of PCS and to see how you can help make a difference for our students. You may give annual, unrestricted gifts or designate a specific school or program to support. There are many opportunities within PCS to make a difference in the education of our students. With your help, we can make our plans and dreams a reality.

Bond issues/warrants can only be used for new facilities or renovations of current facilities.

DECREASE IN FEDERAL AND STATE FUNDING

- Federal decreases
  - Title I is down 9% since FY 2012
  - Title II is down 43% from FY 11
- State decreases since FY 08
  - No professional development Funds
  - No library enhancement funds
  - No technology funds

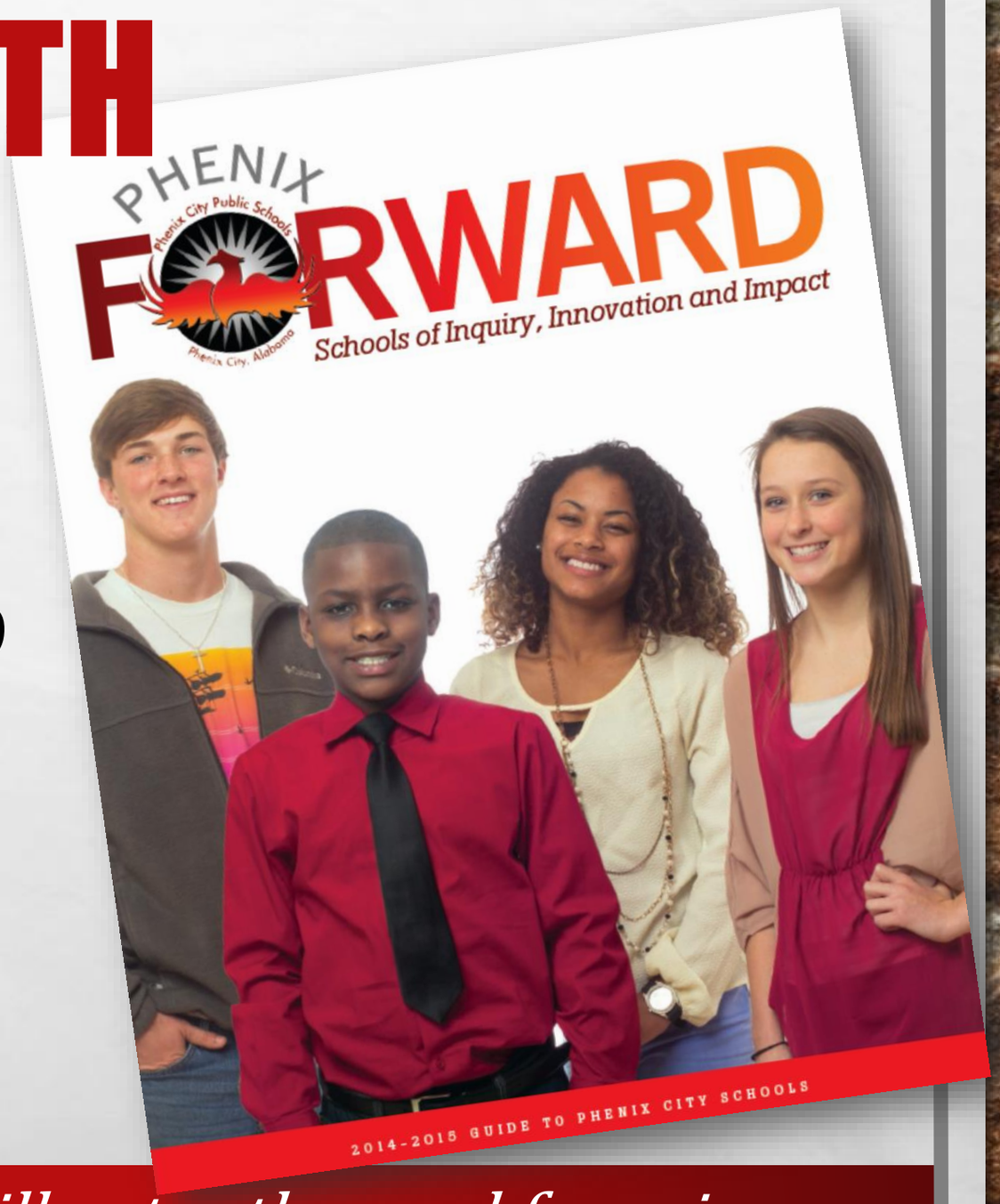


Transportation is funded at 80% and textbook funding is $35 per student.

SCIENCE, TECHNOLOGY ENGINEERING & MATH

NEED, BENEFITS, PREPARATION, COURSE OF ACTION

- Gage Dollar - Class of 2017
- Matthew Dixon - Class of 2022
- Josylnn Dill – Class of 2016
- Caroline Williams - Class of 2019



ARE THEY READY?
ARE WE READY?

This year's kindergarten class will enter the workforce in the year 2027 and will graduate from college in 2031.

PCS'S RESPONSE: *The i^3 Learning Project*

- **INQUIRY-BASED LEARNING**: Students work through challenging scenarios to find solutions.

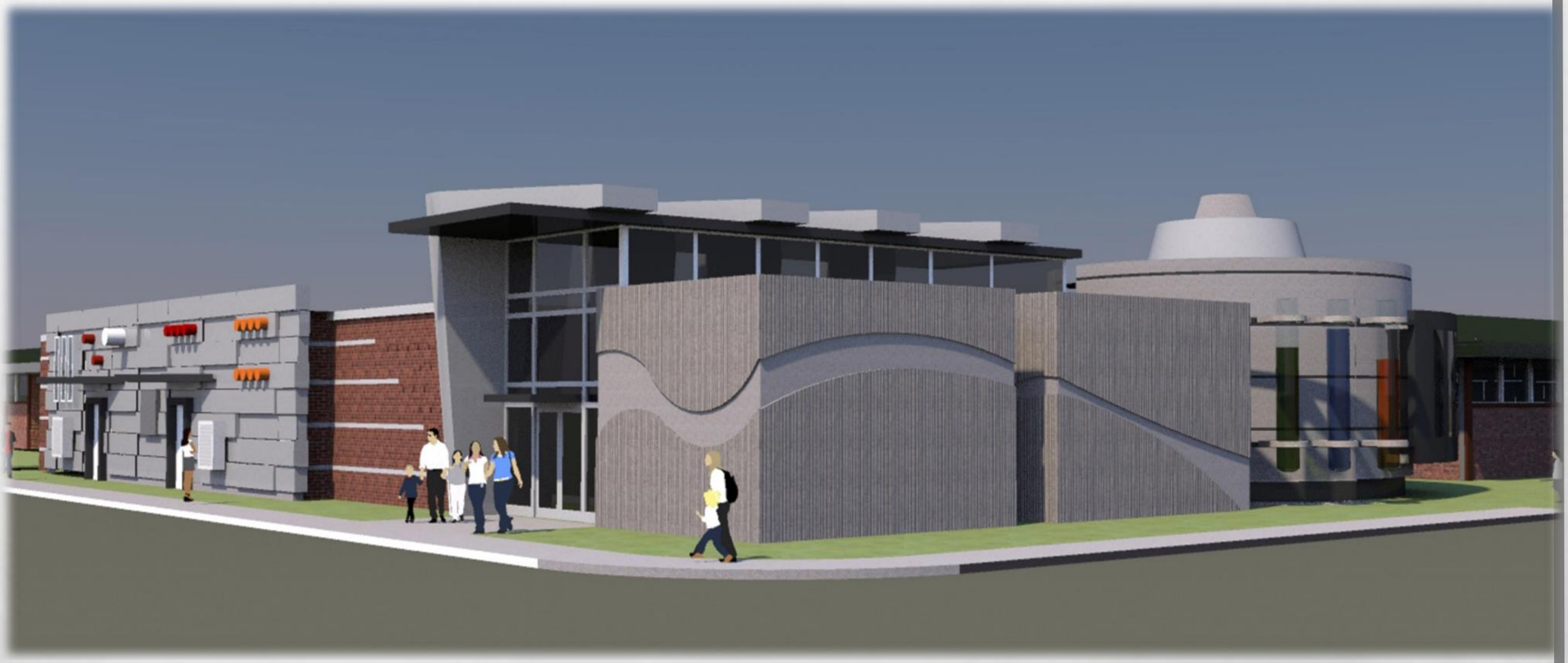
- **INNOVATION**: Utilizing creative instructional methods and cutting-edge technology.

- **IMPACT**: Meaningful instruction and learning to prepare our students for jobs of the future.

Phenix City Schools has a poverty rate of 70%.
*We **CAN** STEM our way out of poverty!*

Schools of Innovation, Inquiry, and Impact!

THE STEM CENTER



A system facility located on the campus of
Phenix City Intermediate School (grades 6-7)

THE STEM CENTER'S VIRTUAL LEARNING LAB

- The *zSpace* system allows for the visualization of data in three dimensions. It consists of three user-responsive components: a stereoscopic display, stylus, and glasses. Working together, these components create an "augmented reality" or "immersive realistic interaction" in which data that appears as a "real object" can be viewed, manipulated, analyzed, and shared. The technology can also be used for virtual hands-on training and gaming.

zSpace content contains over 270 virtual dissections.

*The health care industry is truly the place to be with a need for roughly **3.2 million health care professionals by 2018**, and many occupations are predicted to grow by at least 28% over the coming years.*

THE STEM CENTER'S CODING LAB

- In this course, students will learn how to create animations, computer games, and interactive projects. Using a graphical programming language, students will learn fundamental programming concepts such as variables, loops, conditional statements, and event handling. The course will show students how to make and import objects, create audio recordings, and use them to develop interactive projects. At the end of the course, students create their own informative product to be shared with others.

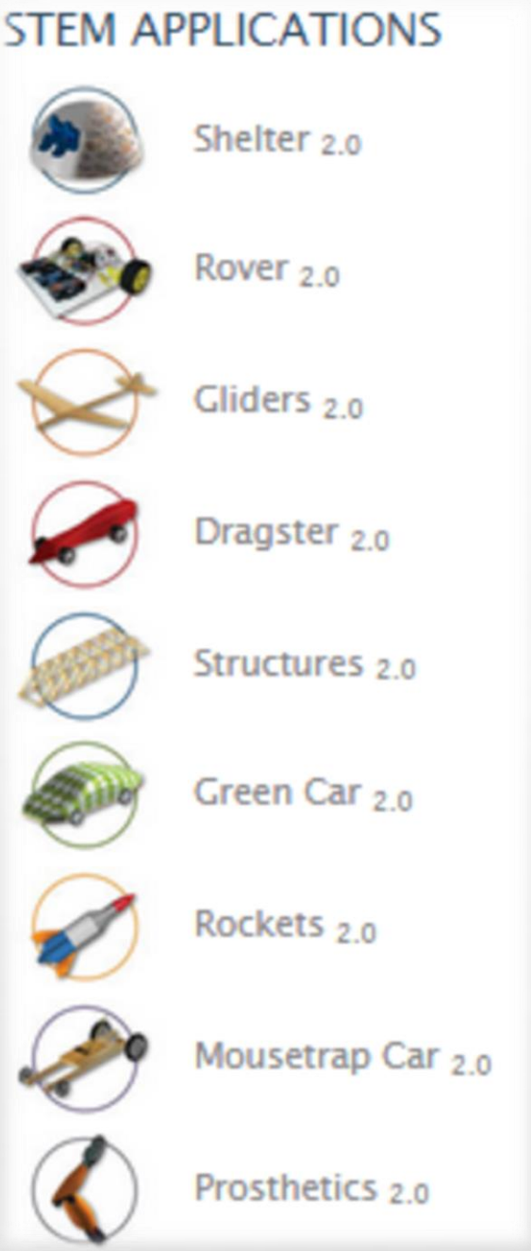
Chromebooks

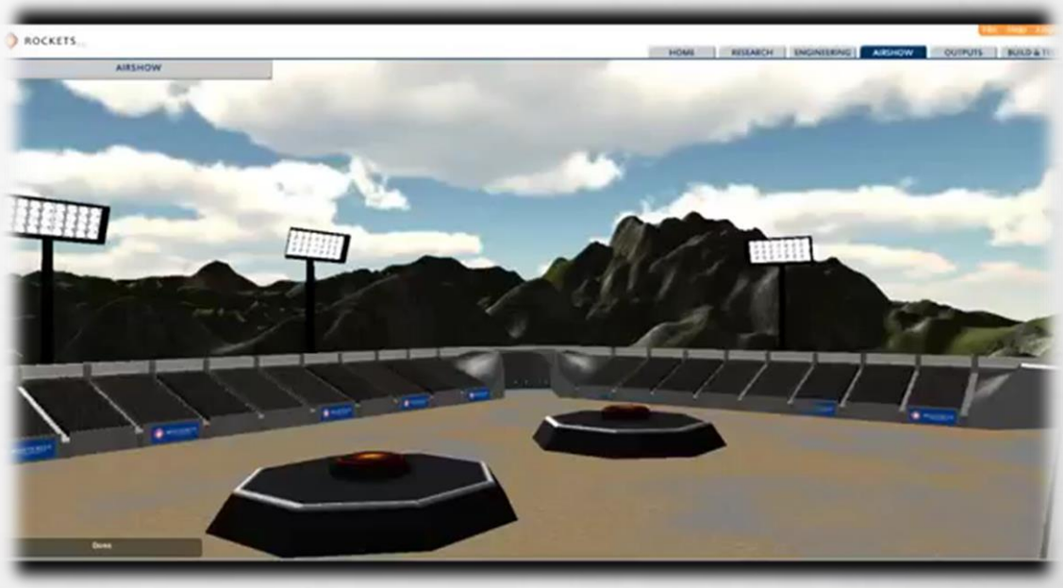
We are teaching them to code, however, not so much as an end in itself but because our world has changed. So many of the things we once did with elements such as fire and iron, or tools such as pencil and paper, are now wrought in code. We are teaching coding to help our kids craft their future.

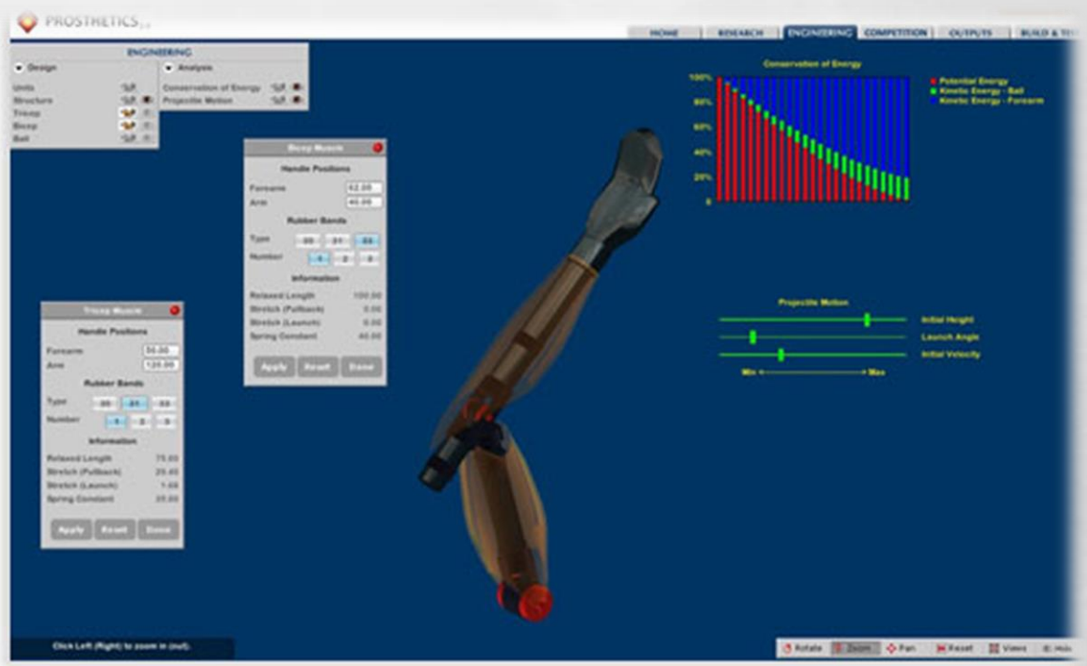
"Learning to write programs stretches your mind, and helps you think better, creates a way of thinking about things that I think is helpful in all domains." Bill Gates

THE STEM CENTER'S ENGINEERING LAB

- Completely web-based, students can design, analyze, and simulate their designs, hundreds of times, from a web browser, and compete with other students throughout the school.
- Science, Technology, Engineering, and Mathematics standards all fused together in one easy-to-use web-based interface.
- Turn-key solution encapsulates a comprehensive virtual and physical modeling activity.







A complete standards-based STEM learning system for engineering, science, and technology education classrooms.

THE STEM CENTER'S DIGITAL MEDIA LAB

- This course combines visual design, computer applications, and business techniques. Students create, manipulate, and use print media, audio recordings, video recordings, and websites to communicate information and ideas effectively to multiple audiences.

- Possible projects include photo manipulation, digital animations, sound bites, movie productions, and digital portfolios.

Project Based Learning
"Save Our Sand"

I hear and I forget. I see and I remember. I do and I understand.

THE STEM CENTER'S RIVER TANK (EXTERNAL) LAB

- The River Tank combines elements of an **aquarium, a terrarium, and an animal exhibit** to produce a dynamic habitat where **plants, animals, and microorganisms** interact in ecological balance. Functionally, what distinguishes the River Tank from a traditional aquarium is the **flowing water**. A pump raises the water to an upper pool whose surface is 20 centimeters above the surface of the bottom pool. The water flows downstream through a series of pools, waterfalls, and rapids before being recirculated. The result is a model of a stream with **shallow and deep pools, slow and swift currents, rapids, eddies, and waterfalls.** Fish swim freely from pool to pool, and students can observe how fish use the currents to help propel themselves up the rapids and waterfalls.

- The River Tank also serves as a **terrarium** with cavities and ledges providing places to grow a variety of plants, which utilize fish waste and help keep the tank in balance by removing nutrients from the water. In a classroom version of the water cycle, the plants on the upper ledges are watered by drops of condensed vapor. Reflecting the diversity of life in and around a stream, **lizards, frogs, turtles, and insects** also use the banks and ledges as living areas.

The Chattahoochee River is a vital part of the past, present and future of the bi-city area.

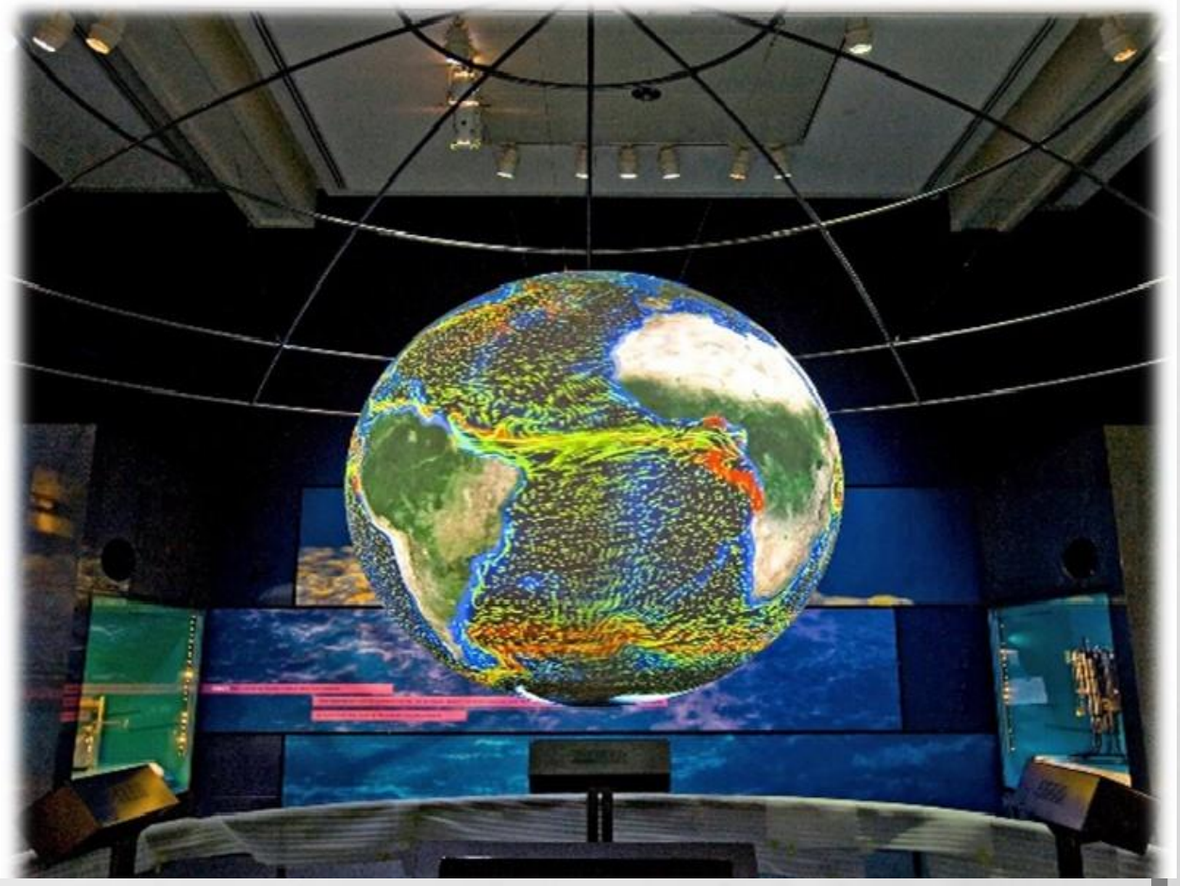
THE STEM CENTER'S SALTWATER AQUARIUM (EXTERNAL) LAB

- Biology, chemistry, ecology, and physics are just a few of the sciences involved in aquarium keeping.
- An aquarium can be used to teach students about specific topics, such as fish anatomy or more complex topics, such as the food chain, water cycle, or the nitrogen cycle.

More than just aesthetically pleasing…

THE STEM CENTER'S DIGITAL GLOBE (EXTERNAL) LAB

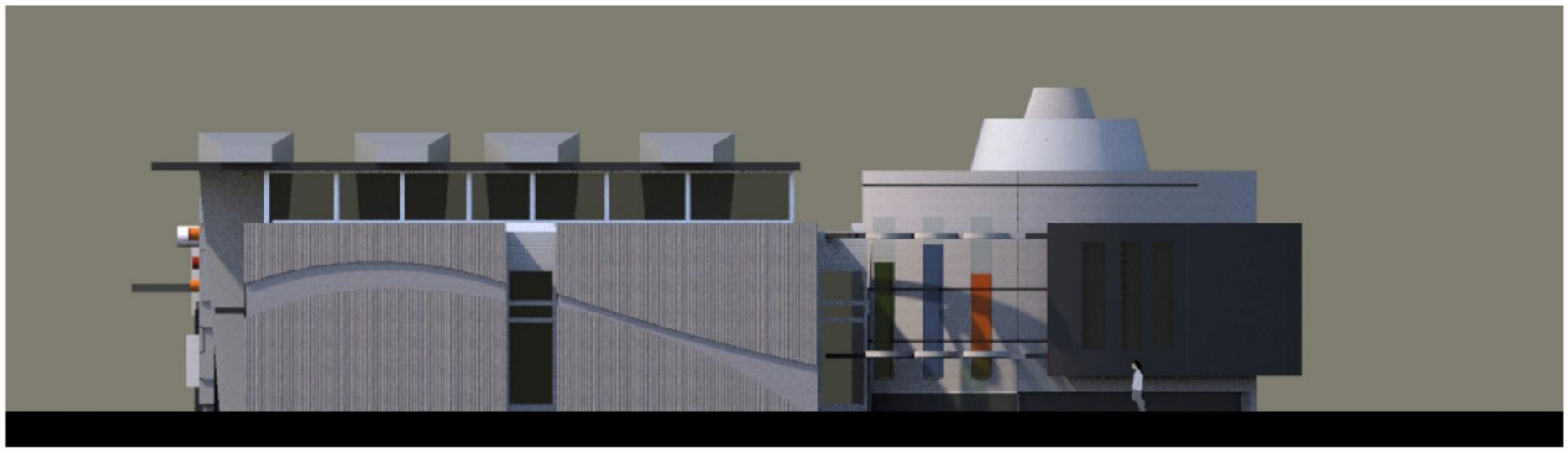
- There are numerous museum exhibits available for – and unique to – the Magic Planet.
- Magic Planets are designed to be used with a touch screen kiosk to create a compelling, self-guided visitor experience. These ready-made exhibits allows visitors or students explore topics affecting our planet or how a global phenomenon is impacting a local or regional area and sometimes these exhibits will take you to worlds millions and millions of miles away.
- The Magic Planet is versatile and will allow one to use touchscreen templates and exhibit developer tools to tell your story in the most intuitive and visually engaging way.



The digital globe's content includes:

- *20 Museum exhibits from the Smithsonian, NASA, NOAA….*
- *1,000 animations*
- *60 IMAX Quality Movies (4-7 min. each)*

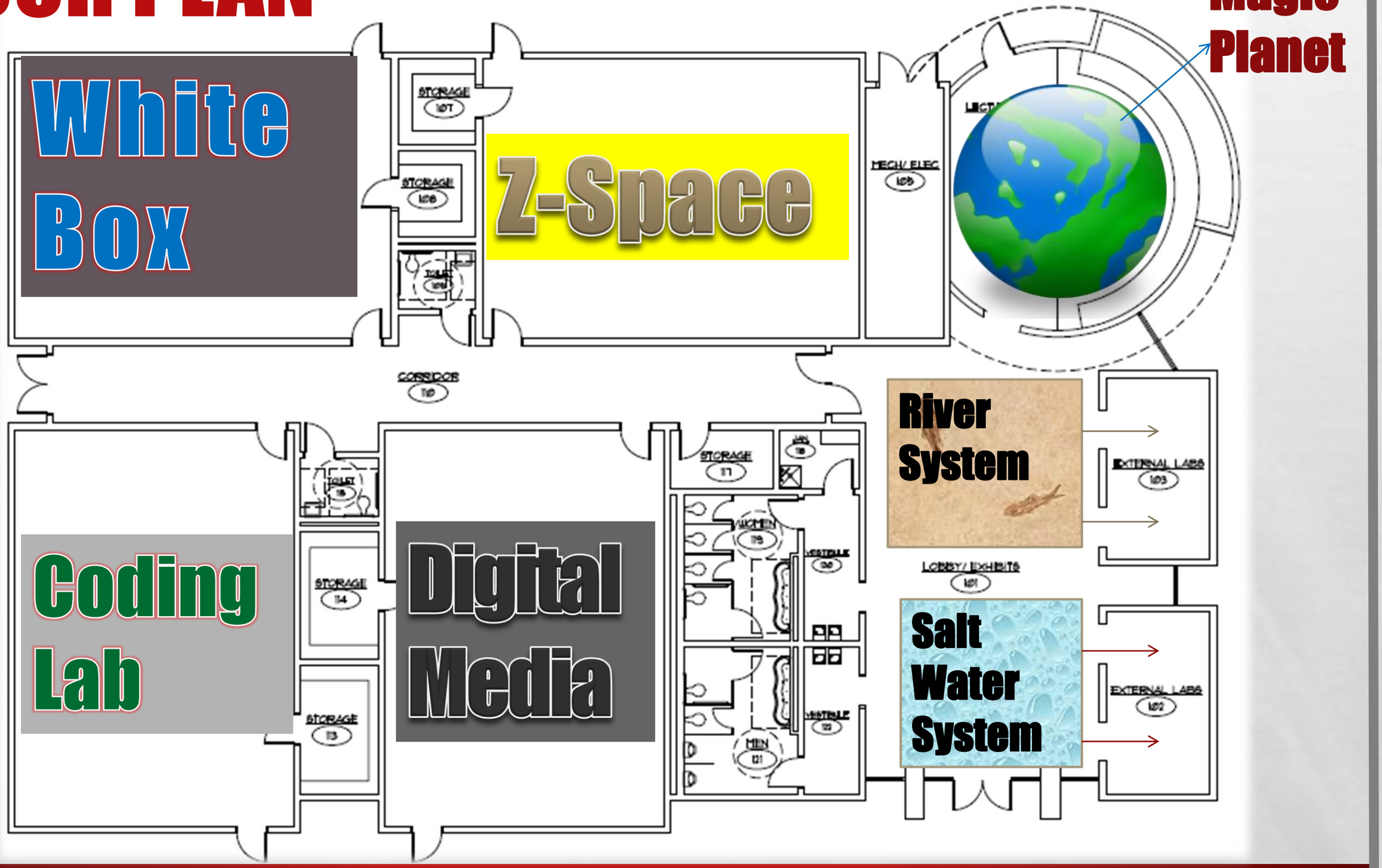
Research shows that hands-on learning significantly increases student efficacy.



Hecht Burdeshaw Architects, Inc.

Phenix City Schools' STEM Center

FLOOR PLAN



~9,500 Square Feet

CENTRAL HIGH SCHOOL AND CENTRAL FRESHMAN ACADEMY EXPANSION

NEED FOR ACADEMIC, ATHLETIC, AND EXTRA CURRICULAR FACILITIES

Average Enrollment: *CHS - 1300 students*
CFA - 475 students

ACADEMIC NEEDS

- CFA
  - Core Classrooms
- CHS
  - Health Education
  - Drivers Education
  - Physical Education
  - Special Testing Area
  - After School Tutoring and Study Hall

The average number of students per grade level (grades K-4) is 628.
The projected enrollment of CHS is over 1800.

EXTRACURRICULAR NEEDS

Red Devil Regiment - 150 members strong

- Practice - Band, Drum Line, JROTC Drill Team, Softball, Wrestling, Track, Cheerleading, Golf, Soccer, and Dance Team
- Weekly ROTC Physical Fitness Training
- Strength and Conditioning

Expansion will benefit all students and the community, as well.

ATHLETIC NEEDS

- 1992
  - Total Teams – 26
  - Total Participants – 560
- 2015
  - Total Teams – 48
  - Total Participants – 1,030
- Increase
  - Total Teams – 84.62%
  - Total Participants – 83.93%

- Increased access to strength and conditioning facilities
- Batting facility for softball
- Additional meeting rooms, locker room space, strength and conditioning facilities, and work space
- Practice facilities

PCS is proud that all 1,035 student-athletes must maintain a 70 average in core academic classes.

Current facilities were built in 1992 for 560 student athletes. In 1992, volleyball, soccer, dance, and wrestling did not exist at CHS.

VIEW FROM SOFTBALL FIELD

First renderings were developed in 2011.
Architect is Scott Holmes of Hecht Berdeshaw.

OPPORTUNITIES

- Classrooms
- Turf
- Strength and Conditioning Stations
- Girls' Batting Facility
- Training Room
- Locker Rooms
- Compact/Retractable Storage

Opelika High School's
Indoor Practice Facility

"I think facilities show the importance you put in your program," Spanish Fort coach Ben Blackmon said.
"They prove to, not only the kids involved, but parents, outsiders, whoever,
that the school system is invested, that the **city** is invested."

PCBOE AND ATHLETICS

Athletic Expenses - **Board Funds**				
	FY15 (To Date)	FY14	FY13	FY12
CHS	274,638.32	426,040.68	444,278.58	370,470.32
CFA	20,233.87	25,784.58	26,652.60	27,123.61
PCIS	20,921.12	33,797.63	23,164.89	21,353.43
MES	-	-	751.00	-
SGS	25,669.51	48,883.10	46,157.49	25,525.35
System	9,244.73	4,890.67	-	-
Total	**$350,707.55**	**$539,396.66**	**$541,004.56**	**$444,472.71**

Of PCBOE's $66 million budget,
less than 1% is expended on athletic programs.

LOCAL SCHOOL AND ATHLETICS

Athletic Expenses - **Local School Funds**				
	FY15	FY14	FY13	FY12
CHS	240,836.12	381,090.30	210,717.02	211,644.32
CFA	3,536.00	5,247.04	4,881.51	5,082.80
PCIS	13,186.15	23,341.00	8,183.68	3,444.09
SES	639.00	590.88	-	-
SGS	23,207.69	29,659.12	25,328.05	18,130.52
Total	**$281,404.96**	**$439,928.34**	**$249,110.26**	**$238,301.73**

Beyond PCBOE's contribution of less than 1%,
each school's athletic program is self-sufficient.

DIAMOND CLUB NAMING OPPORTUNITIES

PCIS ($25,000)

- Digital Media Lab
- Engineering Lab
- Coding Lab
- Virtual Learning Lab
- River Ecosystem
- Saltwater Aquarium
- Magic Planet

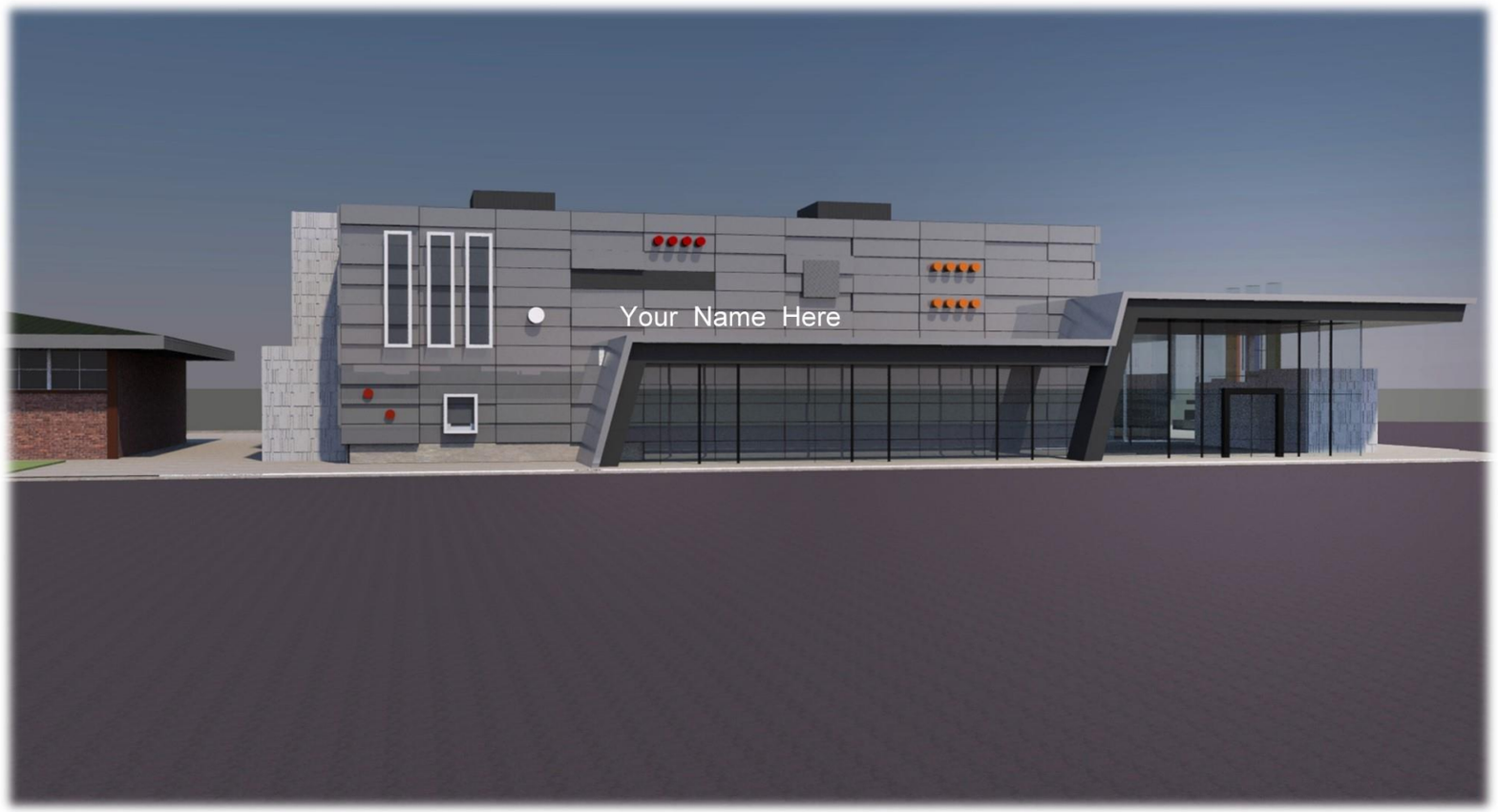
CHS/CFA EXPANSION

- Turf ($50,000)
- Training Room ($50,000)
- Locker Room ($40,000)
- Equipment Room ($25,000)

Children are our legacy and our responsibility.
They are our destiny and we are theirs.

CIRCLE OF EXCELLENCE NAMING OPPORTUNITIES

- $250,000 – CHS and CFA Expansion Building Naming Opportunity
- $150,000 – STEM Center Naming Opportunity



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	Furniture	Equipment	Subtotal
Digital Media Lab	$20,000	$65,000	$85,000
Engineering I & II Lab	$20,000	$30,000	$50,000
Code 101 & 102 Lab	$20,000	$40,000	$60,000
Virtual Learning Lab	$20,000	$88,000	$108,000
River Tank Ecosystem	$5,000	$81,000	$86,000
Saltwater Aquarium	$5,000	$75,000	$80,000
Magic Planet	$10,000	$131,000	$141,000
Turf		$70,000	$70,000
Training Room		$105,000	$105,000
Locker Room		$60,000	$60,000
Weight Stations		$120,000	$120,000
Batting Facility		$20,000	$20,000
Equipment Room		$55,000	$55,000
Expansion Classrooms	$40,000	$20,000	$60,000
FOPCS Goal			**$1,100,000**

Thank you Dyer Family!

FRIENDS OF PHENIX CITY SCHOOLS

- 50+ Friends
- ~$250,000 Raised