Calallen ISD

Special Meeting

Monday, February 22, 2016 7:15 AM

Agenda of Special Meeting

The Board of Trustees
Calallen ISD

A Special Meeting of the Board of Trustees of Calallen ISD will be held February 22, 2016, beginning at 7:15 AM in the Central Administration Office, 4205 Wildcat Dr., Corpus Christi, Texas.

The subjects to be discussed or considered or upon which any formal action may be taken are listed below. Items do not have to be taken in the same order as shown on this meeting notice. Unless removed from the consent agenda, items identified within the consent agenda will be acted on at one time.

1. Opening of Special Meeting by Chairman 3
2. New Business
   A. Consider approval of purchase of zSpace Systems for CHS and CCHS students 4
      Presenter: Dr. Danaher
3. Adjourn

Calling the Meeting to Order

I call this meeting of the Calallen Independent School District Board of Trustees to order and let the record show that a quorum of Board Members is present and that this meeting was duly called and posted in accordance with the Texas Open Meetings Act, Texas Government Code 551.

BOARD OF EDUCATION
CALALLEN INDEPENDENT SCHOOL DISTRICT
CORPUS CHRISTI, TEXAS

Date: February 22, 2016

Subject: Consider approval of purchase of zSpace Systems for CHS and CCHS students

New Business

Action

BACKGROUND INFORMATION

zSpace is a virtual reality system of applications that provides a wide array of applications, lesson plans and classroom activities to develop 21st century skills and prepare students for STEM careers. It can be used at all grade levels but the focus right now will be on high school student usage.

See the attached information regarding zSpace.

See quote for the purchase of 20 zSpace systems at a price of $98,000 from Vizitech USA. These systems will be paid for with grant funds for Calallen Charter High School.

ITEM ADDRESSED

Consider approval of purchase of zSpace Systems for CHS and CCHS students

RECOMMENDED ACTION

The Administration recommends the Board approve the purchase of 20 zSpace sytems from Vizitech USA in the amount of $98,000.

zSpace

Real World VR for the classroom

Introducing a suite of virtual reality applications for teaching STEM and science with zSpace

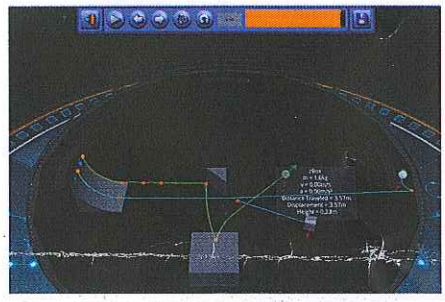
visit us online at edu.zspace.com

zSpace Studio | zSpace Newton's Park | zSpace Franklin's Lab | Cyber Science 3D | corinth | designmate | Leopoly | GeoGebra

STEM and Science

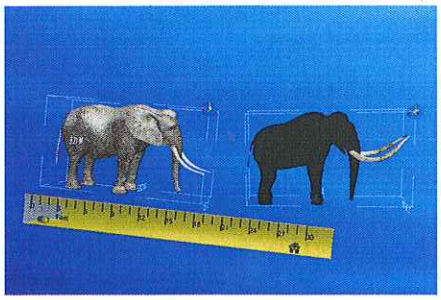
Real world VR applications, lesson plans, and classroom activities are created by educational experts to develop 21st century skills and prepare students for STEM careers. The curriculum engages students in deep learning through troubleshooting, experimentation, detailed dissections, and exploration. Our content areas include:

Physical Science
Life Science
Earth and Space Science
Social Science
Mathematics
Art and Design



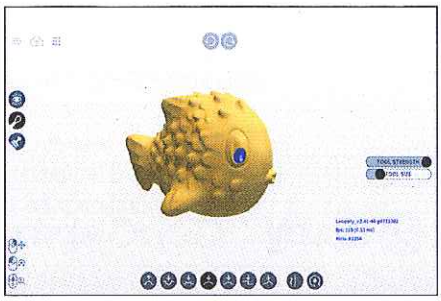
Experimentation

Experimental design, review, and iteration are the foundation of our real world VR applications. Students and teachers are able to create experiments not possible in the classroom, make changes to their design quickly, and reach a deeper level of knowledge through interaction. Supplies are not a limitation and safety is guaranteed.



Exploration

Places and things typically left to the imagination become tangible with tools for exploration and a rich set of content for all sciences and some history too. Learning experiences are immediately personal, as each student uses tools to measure, look inside, scale, and compare lifelike 3D models.

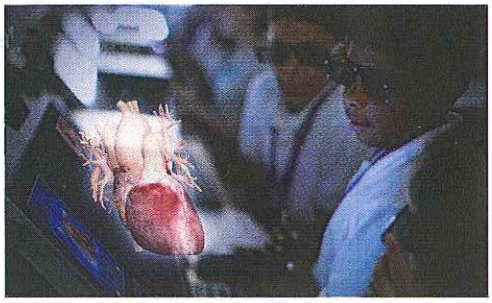


Design

The sciences and art are brought together with VR design software, allowing students to create their own 3D models and design original solutions to design challenges. 3D models can be printed and shared online and with other zSpace users, or sent to a 3D printer.

Adaptable activities promote differentiation

We believe that the best learning happens when content can be personalized. This means that we make tools for adapting our activities for your students and classroom. The Activity Builder, Tour Builder and Presentation Builder all invite teachers to create differentiated learning experiences.

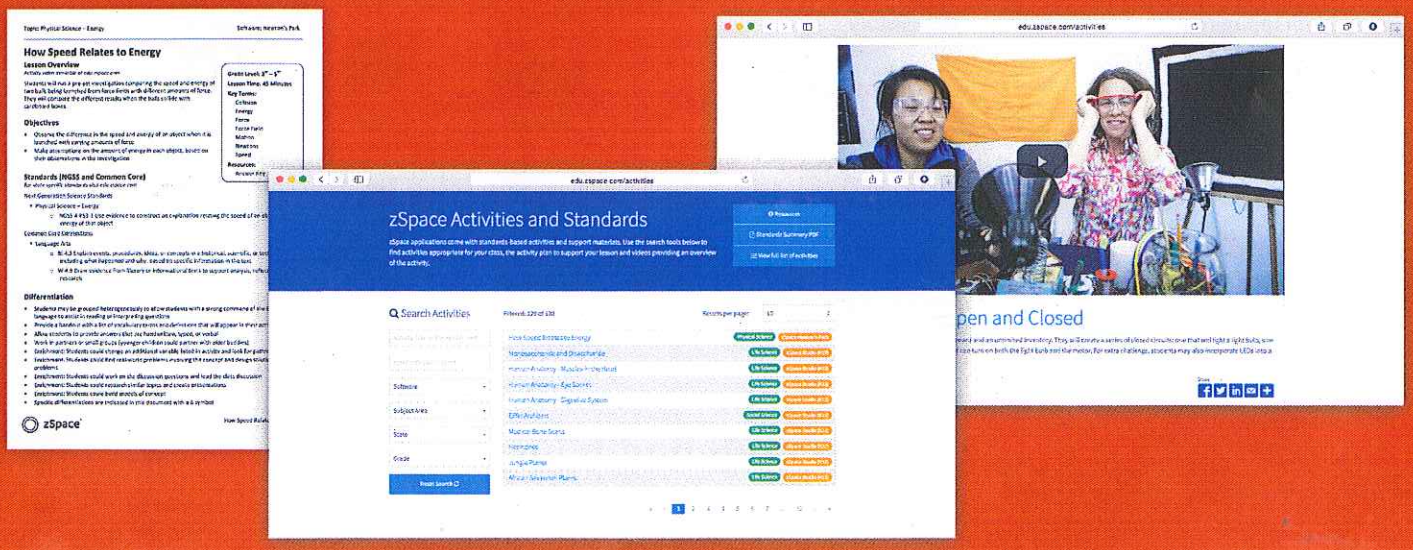


Reduce learning barriers

Encourage your students to learn by doing. Receive meaningful feedback from your lesson plans. Adapt activities based on your teaching style. Accelerated learning is supported through our software applications. Text to speech reads aloud questions and prompts. The kinesthetic experience of real world VR supports students who learn best through action.

Standards Aligned Curriculum for Grades 2-12

Our VR applications include lesson plans, learning activities, and videos introducing the learning activities that are aligned to curriculum standards. To learn more about real world VR learning activities, visit **edu.zspace.com**



Learning Applications

	zSpace Physical Sciences	zSpace Studio	Leopoly	Cyber Science 3D	corinth	designmate	GeoGebra
Physical Science	✓			✓		✓	
Life Science		✓		✓	✓	✓	
Earth & Space Science	✓	✓		✓	✓	✓	
Social Science		✓					
Arts & Design			✓				
Math	✓	✓			✓		✓
Elementary School	✓	✓	✓	✓	✓	✓	
Middle School	✓	✓	✓	✓	✓	✓	✓
High School	✓	✓	✓	✓			✓

Sample of STEM Topics

Life Science

Human Anatomy and Body Systems
Genetics
Food Web
Cells and Viruses
Botany
Animal life cycles and movement
Evolution
Ecology
Zoology

Physical Science

Electricity
Troubleshooting
Mechanical Structure and Function
Newtonian Mechanics
Projectile Motion
Momentum and Impulse
Energy and collisions
Motion in Straight Line
Chemistry

Earth and Space Science

Geographic Features
Solar System and Space
Environmental Issues
Geology
Natural Hazards
Human Impact
Fossils

Mathematics

Volume and Surface Area
Fractions
Graphing
Shapes
Cross-sections
Nets
Algebra
Geometry

Social Sciences

Industrial Revolution
Medival Life
Pioneers
Culture
U.S. History

Additional Areas

Scientific Method
Design Thinking
Project-based Learning

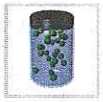
More topics coming soon!

Studio Exploration Models

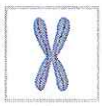
zSpace Studio holds more than 1,300 models, creating exploration and investigation opportunities for all students.


Anatomy


Animals


Animated


Astronomy


Biology


Chemistry


Dissectible


Environment


Fun


Furniture


Historical


Insects


Landmarks


Math


Mechanical


Plants


Sculptures


Spacecrafts


Vehicles

Real World Virtual Reality: Blending the Real World with the Virtual.

The zSpace system integrates students' normal life with desktop virtual reality that allows them to seamlessly move in and out of zSpace back to the real world. This experience is enabled by a unique combination of high definition stereopsis, integrated head tracking with full motion parallax and a precision interactive stylus. zSpace uses all of the senses in a way that feels natural. The stylus is designed with 6 degrees of freedom, allowing the student to fully experience the magic of zSpace. zSpace believes the VR experience should feel natural and allow students to interact as they do in the real world. The zSpace Studio comes with over 1,000 3D models in the following categories:

- Anatomy
- Animal
- Animated
- Astronomy
- Biology
- Chemistry
- Dissectible
- Environment
- Fun
- Furniture
- Historical
- Insect
- Landmark
- Math
- Mechanical
- Plant
- Sculpture
- Spacecraft
- Vehicle

STEM Education Software Applications

zSpace Studio

Studio is zSpace's rich model exploration and presentation tool allowing students to compare, dissect, analyze, measure, annotate and explore 500+ 3D models from zSpace Model Gallery or 3D models created student.

Teachers will find Studio a natural fit for creating complex scenes of content. It's easy to add labels, make annotations, take measurements, integrate multiple models to build a rich scene and create video tours of their models to share.

Life Science | Earth and Space Science | Social Science | Mathematics

zSpace Newton's Park

Newton's Park offers learners the ability to build experiments, alter experiments, or learn through experiments created by the zSpace Teaching Team, to deepen their knowledge of Newtonian Mechanics. The activities and experiments offer learning opportunities for Newton's Laws of Motion and Rube-Goldberg or chain-reaction activities. Learners can build simulations, change gravity, stop and reverse time while gathering data and interact with the data to discover the real physics behind the movement of the objects.

Physical Science | Earth and Space Science | Mathematics

zSpace Franklin's Lab

Franklin's Lab provides an environment to build and troubleshoot circuits. Learners are guided through the basics of electrical current flow and then challenged to solve problems in circuits that are malfunctioning. Franklin's Lab also offers learners the ability to design their own circuits using motors, LEDs, resistors and various conductive materials.

Physical Science

Cyber Science 3D

Cyber Science 3D is a comprehensive package of detailed, interactive virtual dissection experiences focused on aiding in the learning and exploration of Human Anatomy, Botany, Zoology, Earth Science, Microbiology, Chemistry, Engineering, and Paleontology.

Physical Science Life Science Earth and Space Science

Corinth Classroom

Corinth is the most awarded K-12 EdTech startup this year, with its highly popular digital learning software, "Corinth Classroom." The software includes the largest library of educational models available, ranging from human anatomy to chemistry or biology of animals. When combined with zSpace's interactive virtual reality solution, Corinth Classroom 3D models appear to float above the display in open space. The 3D models can also be used for creating tests and quizzes to test and practice knowledge of students, or printed out on a 3D printer.

Life Science Earth and Space Science Mathematics

Leopoly

Leopoly provides an easy, early training ground to introduce students to the world of 3D creation, as well as helping them to create, customize, and prepare digital objects for 3D printing. With Leopoly, anyone can become a 3D designer. Students can browse through thousands of 3D models for inspiration and also customize or design objects by working individually or in teams.

Design

CURRICULUM

All zSpace activities are aligned with state and national science standards to support curriculum development and classroom integration. Teachers can browse activities by grade-level, standard, or topic area.

Activities come with a preview video, activity plans, and downloadable resources to integrate the zSpace STEM lab into the curriculum. There is also an Activity Builder that allows teachers to tweak activities to meet student needs.

VIZITECH USA QUOTE

Customer: Calallen ISD, Corpus Christi, Texas
Contact: Anita Danaher
Address: 4001 Wildcat Dt, Corpus Christi Tx, 78410
Date: Friday, February 12, 2016
Phone/Fax: 361-242-5600, cell 361 236 8191
Representative: Bobbi Cork

HARDWARE and SOFTWARE				
Quantity	**Title**		**Price**	**Total**
20	zSpace 300	$	2,550	$51,000.00
0	zView Camera Kit - Hardware for zSpace 300	$	199	$0.00
	Supplemental Accessories Kit	$	650	$0.00
60, (3 year perp)	zSpace Physical Science (Newton's and Franklin's)	$	500	$21,000.00
60 (3 year perp)	Cyber Science 3D	$	500	$21,000.00
20	zSpace Studio and Leopoly Software	$	250	$5,000.00
0	Cyber Anatomy	$	2,000	$0.00
				$0.00
0	Follower Eyewear	$	10	$0.00
	Shipping and Handling on Hardware and Software (2%)			
	TOTAL FOR HARDWARE AND SOFTWARE			$98,000.00
PROFESSIONAL DEVELOPMENT and INSTALLATION				
	zSpace Installation (per unit)	$	375	$0.00
	Professional Development	$	2,500	$0.00
	TOTAL FOR PROFESSIONAL DEVELOPMENT AND INSTALLATION			$0.00
			QUOTE TOTAL	$98,000.00

*Pricing 1.20.2016. Quotes are good for up to 90 days from date on quote.

Point of Contact for Quote: Stewart Rodeheaver
103 East Sumter Street
Eatonton, Georgia 31024
706.749.8099
csr@vizitechusa.com

PLEASE FAX ALL ORDERS TO 706.749.8227.

VIZITECH USA QUOTE

Customer:
Contact:
Address:
Date:
Phone/Fax:
Representative:

HARDWARE and SOFTWARE				
Quantity	**Title**		**Price**	**Total**
	AV Rover Cart with Electrical System	$	4,600	$0.00
	3D Processing Computer	$	2,800	$0.00
	3D DLP Active Shuttering Projector	$	898	$0.00
	Stereoscopic 3D Software and Configuration	$	702	$0.00
	Eureka Designmate 3D Videos/Interactive Library	$	5,000	$0.00
1	CyberScience Interative Science Library	$	2,500	$2,500.00
25	Additional 3D AV Rover Glasses (per unit)	$	50	$1,250.00
				$0.00
				$0.00
	Shipping and Handling on Hardware and Software (2%)			$0.00
	TOTAL FOR HARDWARE AND SOFTWARE			$0.00
PROFESSIONAL DEVELOPMENT and INSTALLATION				
				$0.00
				$0.00
	TOTAL FOR PROFESSIONAL DEVELOPMENT AND INSTALLATION			$0.00
	QUOTE TOTAL			$0.00

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zSpace 300 Pricing	
zSpace 300 AIO, ≤9 units	$ 3,325
zSpace 300 AIO, >9 units	$ 4,465
zSpace 300 AIO, >19 units	$ 4,348
zSpace 300 AIO, >39 units	$ 4,230
zView Camera Kit - Hardware for zSpace 300	$ 199
Supplemental Accessories Kit	$ 650
Stylus for zSpace 300	$ 100
Clip-on Eyewear	$ 60
Tracking Eyewear	$ 80
Follower Eyewear	$ 10
Pelican Case w/ Foam, zSpace 300	$ 450
Foam insert for Pelican case, zSpace 300	$ 100
Year 2 and 3 warranty for zSpace 300	$ 675

zSpace 200 Pricing	
STEM Teacher Station Hardware (Purchase)	$ 5,699
STEM Student Station Hardware (Purchase)	$ 5,199
Stylus for zSpace 200	$ 250
zView II Camera and Armature for zSpace 200	$ 199
Power Adapter - zSpace 200	$ 100
Mounting bracket for zSpace 200	$ 50
USB + DisplayPort	$ 30
AC Adapter Cable (US)	$ 25
Pelican Case w/ Foam, zSpace 200	$ 450
Foam insert for Pelican case, zSpace 200	$ 100
Year 2 warranty for zSpace display	$ 400
Year 2 and 3 warranty for zSpace display	$ 600

Software Pricing	
zSpace Studio and Leopoly Software Perpetual	$ 250
zSpace Physical Science (Newton's and Franklin's) Perpetual	$ 2,375
zSpace Physical Science (Newton's and Franklin's) Annual	$ 500
zSpace Physical Science Annual License Maintenance	$ 475
zSpace Lab Bundle - Annual license for 12 stations	$ 18,200
zSpace Premium Software - zView Application License (Perpetual)	$ 150
K-12 Cyber-Anatomy Software - Annual License per station	$ 1,250
Corinth Classroom - Annual License per site	$ 1,250
Eureka.in - 3D Content for Science and Math - Annual License per station	$ 400
Cyber Science 3D - Annual License per station	$ 500
Cyber Science 3D - Perpetual License per station	$ 2,375

Professional Services Pricing

zSpace Installation by zSpace Services (per unit)	$ 375
Professional Development (2 days recommended) <4 machines (per machine)	$ 500
Professional Development (2 days recommended) 5+ machines	$ 2,500
STEAM Consulting Services	$ 2,500

AV Rover Cart Pricing

AV Rover Cart with Electrical System
3D Processing Computer
3D DLP Active Shuttering Projector
3D Glasses (25 pair)
Stereoscopic 3D Software and Configuration
Eureka Designmate 3D Videos/Interactive Library (1 year)
Eureka Designmate 3D Videos/Interactive Library (Perpetual)
CyberScience Interative Science Library
Additional 3D AV Rover Glasses (per unit)
Complete Unit: 3D AV Rover Learning System (Perpetual Software License)
Complete Unit: 3D AV Rover Learning System (1 Year Software License)

$ 4,600
$ 2,800
$ 898
$ 1,250
$ 702
$ 2,250
$ 5,000
$ 2,500
$ 50
$ 17,750
$ 15,000

VIZITECH USA INVOICE

Customer:
Contact:
Address:
Date:
Phone/Fax:
Representative:

HARDWARE and SOFTWARE			
Quantity	**Title**	**Price**	**Total**
			$0.00
			$0.00
			$0.00
			$0.00
			$0.00
			$0.00
			$0.00
			$0.00
			$0.00
			$0.00
	Shipping and Handling on Hardware and Software (2%)		$0.00
	TOTAL FOR HARDWARE AND SOFTWARE		$0.00
TRAINING and INSTALLATION			
			$0.00
			$0.00
	TOTAL FOR TRAINING AND INSTALLATION		$0.00
	INVOICE TOTAL		$0.00

PLEASE PAY UPON RECEIPT.

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