Pitsco Education

PROPOSAL NARRATIVE | PROPOSAL GOOD FOR 90 DAYS

New Caney Independent School District | New Caney, Texas

DECEMBER 21, 2017 | PROPOSAL #120717.01

Overview

Pitsco Education understands the commitment New Caney ISD has made in preparing the next generation of leaders for the challenges and opportunities of the future. The district's investment in Pitsco Education STEM Modules transformed the district's middle schools. Now, Pitsco Education would like to partner with the district to move the Modules labs into the future with Career Expeditions, the latest in progressive inquiry-based curriculum that enables students to gain valuable experience with a variety of careers provides a platform for them to practice the collaboration and creative problem solving required in today's global society. Included are cloud-delivered multimedia curriculum, use of the existing collaboration-ready environment at each school, and supporting professional development to ensure teacher and student success.

Curriculum for Investigating Careers - Technology

This solution engages students with Pitsco Education Career Expeditions. Guided by ACT WorkKeys and the career practices outlines in the Common Career Technical Core and the Partnership for 21st Century Learning, Career Expeditions are designed around national career clusters. Career pathways are addressed through the content and by incorporating STEM concepts into real-world, relevant activities. Each Expedition begins with an essential question, which sets the focus and shapes students' thinking. The overall goal is to create critical thinkers and problem solvers by presenting real-world challenges to engage learners in a career context. Students collaborate in pairs and in teams as they seek to answer their essential question while recording data in logbooks to authenticate their learning.

Investigating Careers – Technology Course with Career Expeditions		
Career Expedition	**Careers Explored**	**Career Clusters**
Now Hiring Students complete skills evaluations and interest inventories to identify careers that might be suited to their particular interests and abilities. They then develop a four-year educational plan for high school related to career pathway choices.	✓ Benefits Specialists ✓ Human Resources Managers ✓ Labor Relations Managers	All 16 career clusters and related occupations are explored in this introductory Career Expedition.
Vital Signs Students learn to properly take and record vital signs using digital medical equipment. They learn to fill out medical forms related to patient care as well as explore careers in the Health Science cluster such as radiological technicians, certified nursing assistants, MRI technologists, registered nurses,	✓ Radiology Technicians ✓ MRI Technicians ✓ Physical Therapists ✓ Nurses ✓ Hospitalists	Health Science

physical therapists, and hospitalists. They then develop a four-year educational plan for high school related to career pathway choices.		
Top Dog Architecture Students complete tasks related to truss construction and testing. Using information from the activities, students develop a plan of study for a career of their interest.	✓ Architects ✓ Carpenters ✓ General Contractors ✓ Materials Engineers ✓ Planners/Designers ✓ Roofers	Architecture and Construction
Under Pressure Students demonstrate the correct operation of a hydraulic system and also inspect and assess the hydraulic system operation. They design and construct a fluid reservoir for the hydraulic system. They then develop a four-year educational plan for high school related to career pathway choices.	✓ Farmworkers ✓ Recyclables Collectors ✓ Equipment Technicians ✓ Wastewater Treatment Operators and Engineers ✓ Environmental Engineers	Agriculture, Food, and Natural Resources
Artistic Communication Students complete tasks related to digital storytelling. Using information from the activities, students develop a plan of study for a career of their interest.	✓ Screen Writers ✓ Videographers ✓ Actors ✓ A/V Operations ✓ Reporters ✓ Graphic Designers	Arts, A/V Technology, and Communications

Lab Details

- **Class Size:** 18 **Learning:** whole class **Scheduling:** year-long course
- **Cohorts:** 10 each at Keefer, New Caney, and White Oak. Two at Woodbridge Forest.
- **Environment:** This program requires a classroom for students to work in collaborative teams on project-based activities. Environment exists in the schools' Modules labs.
- **Electronic Equipment:** This program requires 2:1 student computing and access to the internet. Both are the responsibility of the district.
- **Professional Development:** Professional development is a one day, on-site seminar for 4 lab teachers. Additional teachers may participate for a per-person fee.

Presented by

Emily Chapelle, Education Consultant
512-777-8388 (cell) | echapelle@pitsco.com