

FRANKLIN COUNTY SCHOOL BOARD

WORKSHOP

WILLIE SPEED BOARD ROOM

DECEMBER 19, 2016

5:30 PM

AGENDA

I. CALL TO ORDER

II. BOARD INFORMATION COMMENTS/DISCUSSION ITEMS

- A. Apalachicola Bus Barn-New Roof (*Chairman Kirvin*)
- B. 2017 FCS Plans (*Dr. Summers*)
- C. Principal Clatto 2016-17 PLTW Budget (*Finance-Shannon Venable*)
- D. Principal Clatto New academic programs (*H.R.-Karen Peddie/ Special Programs, Dr. Summers*)
- E. ROTC Program (*H.R. Karen Peddie/Superintendent Moses*)
- F. District Staff Job Descriptions (*H.R. Karen Peddie*)
- G. Athletic Supplements (*H.R. Karen Peddie*)
- H. Policies related to Criminal Background and Employment History Checks (*H.R. Karen Peddie*)
- I. January Workshop-Policy Updates (*Superintendent Moses*)

STEAM and PLTW Funding List 2016-2017

Item	Budgeted	Funding Source	2016/2017 Estimated Cost	2017/2018 Estimated Cost
Furniture - Learning Commons	YES	LCIF	28,486	-
Markercraft Cart	YES	Title I	6,305	500
STEAM Consumables	YES	Title I	1,460	750
Wards Littlebits and STEAM Kits	YES	Denton Cove	10,760	500
Wards STEAM Lab Supplies	YES	Title I	-	650
Wards Littlebits and Vernier	YES	Instructional Materials	7,755	-
VEX Classroom Bundle 12-Team	YES	Instructional Materials	3,850	-
Keva School Pack	YES	Instructional Materials	300	-
Zoob STEM Challenge Set	YES	Instructional Materials	60	-
Total			58,975	2,400

Robotics Brain Crunch, Arduino, and Dash Bots	NO	Donor Request	4,240	200
Wards Elementary Science	NO	Donor Request	11,120	
PLTW Gateway Equipment/Supplies (MS)	NO	Grant Application Submitted	-	16,577
PLTW Launch Equipment/Supplies (K-5)	NO	Grant Application Submitted	-	2,000
Elementary and MS/HS Greenhouses	NO	Grant Application Submitted	-	25,000
Two Aquaponics Systems	NO	Grant Application Submitted	-	25,000
Vinyl Cutting Machine	NO	Possible LCIF?	-	4,000
Engineering and Biomedical	NO	Grant Application Submitted	-	40,000
Total			15,360	112,777

Staffing Positional Options:

		2016/2017	2017/2018
Absorb Position Jan. 2017 (employee is retiring)	Savings	(35,000)	(70,000)
Add STEAM Instigator (Coordinator) position	Cost	35,000	70,000
Absorb ROTC position (program not coming Jan. 2017)	Savings	(26,000)	(52,000)
Add HS Science Position	Cost	-	59,000
Add Computer Science Instructional Position	Cost	-	59,000

Total Net Cost:	(26,000)	66,000
Total Possible Savings:	(61,000)	(122,000)

2017 FCS Plans

Elementary

Project Lead the Way – Launch

PLTW Launch's 24 interdisciplinary modules bring learning to life. The program empowers students to adopt a design-thinking mindset through compelling activities, projects, and problems that build upon each other and relate to the world around them. And as students engage in hands-on activities in computer science, engineering, and biomedical science, they become creative, collaborative problem solvers ready to take on any challenge.

This program will be part of the science curriculum and after the initial invest of approximately \$12,000 the annual cost will be for replacement pieces for the labs which will not be expensive.

There are no additional staff needed since the program integrates into the science classes. There will be a maker space so teachers can bring student to the maker space for construction and use of the littlebits, Vernier, and STEAM kits (circuits, robots Legos). The modules to be taught at each grade level are on the handout. The replacement cost for material can come from the instructional material allocation since this is the science curriculum for FCS.

Middle School

PLTW – Gateway

Also build around modules to be taught in the science classes with integration of the curriculum in include math standards and application. There at 10 modules 2 for sixth grade 4 for 7th and 8th grades. These modules along with the elementary Launch projects will have students prepared to complete the high school programs and successfully complete AP courses.

Again there are no staff additions needed for the implementation of this program and after the initial cost (approximately \$16, 577.00) of the materials and kits the replacement parts are small from year to year and can be paid from the instructional materials allocation. We have applied for PLTW grants and one with Toshiba.

High School

PLTW Biomedical and Engineering (\$40,000.00)

There will be the need for an additional staff for these programs Science teacher and a computer science teacher (coding). We will not be implementing a ROTC program due to the required number of students that must be enrolled each year. Also there are programs in the surrounding counties so that would not be a draw for students to come to Franklin County. This will result in the request for one additional teaching position for the 2017-18 school year. All other staffing request are replacements for currently approved positions on the position control document.

Biomedical has 4 modules but we will be offering Principals of Biomedical Science, Human Body Systems (A&P) and Medical Interventions that prepare student for success on the AP Biology exam and additional certifications can be earned. Industry certification in BioTechnology from the University of Florida is available for students completing all three modules. These course will prepare a student for any of the Health related careers. We will develop multiple certification for students as they complete the modules that will increase their employment opportunities. The Human Body Systems is the equivalent of an Anatomy and Physiology course which is a requirement for most health related careers.

Engineering

Nine modules to be taught over the four years. Again industry certification can be earned as the students complete the modules.

Funding for these programs is being sought through grants and solicitations from the community. But additional funding is available through the FEFP for industry certifications earned and the advanced AP course successfully completed.

We have purchase a coding program that introduces coding at the elementary level through 12 grade. Code Red will provide or student with the language of computers, an essential skill in the area of robotics, AI, computer security and almost every career field you can think of. This does not require additional staff at the elementary or middle school level but will require a computer science teacher for the high school program. Under new legislation proposed this session coding will count as a foreign language credit. The logical thinking required in coding will help students with writing, math and science thinking. The sequential thinking requires students to plan and map their thoughts logically and in sequence to be successful.

The Learning Commons will be the hub of the school. The transformation of the media center into a learning space will provide students with a space to collaborate, design, investigate and find solutions to real world problems. Students can collaborate around touch screen computers, prepare and practice their presentations and research and design hypothesis for the solution to the problem they are investigating.

This new space will teach and give our students a safe and controlled space to practice the 21st work skills they need for the work place of the future. Learning to collaborate, discuss and disagree in a setting that is much like the new work spaces in the real world will give our students an advantage in post-secondary institutions and the work place.

This entire program from elementary to high school builds on the skills needed by our students to success at the next level. As elementary student begins the process of investigation and problem solving, of design and development; they grow in their problem solving abilities and thinking processes. The entire program will enable our students to compete on all levels from the classroom, to the athletic field, to the job, and in their personal lives. They will know how to identify the problem, research solutions and determine the best solution for themselves. This is not just a science curriculum it is a life curriculum that all students need to be contributing citizens in our communities.

With full open enrollment it will be essential for Franklin County PK-12 School to stand out in the crowd. These programs will make us shine like a beacon and will attract new students to Franklin County PK-12 School.