



Project Lead the Way

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Agenda

- TPSD Vision
- Project Lead the Way Overview
- TPSD Implementation Proposal
- Grenada Implementation
- Funding
- Next Steps



TPSD Vision

- The TPSD goal is to make sure that we identify programs that meet our greatest needs. Additionally, we want to make sure to implement programs with fidelity and get feedback through out the decision making process from all key stakeholders – instructional support team, principals, teachers, etc.
- Project Lead the Way (PLTW) directly aligns with three of the top six greatest identified needs.



Project Lead the Way Overview

- Project Lead the Way (PLTW) has Pre-K through 12th grade curricular pathways.
- Please refer to your folder for the following:
 - PLTW Launch Module Descriptions
 - PLTW Gateway Unit Descriptions
 - PLTW Engineering, Computer Science, and Biomedical Course Descriptions

TPSD Implementation Proposal



• **Fall 2019**

- The initial proposal is to pilot PLTW in 3rd through 5th grade gifted classes in the fall semester. Each gifted teacher would be trained and implement one module. The instructional coaches picked the module that is aligned with power standards.

• **Spring 2020**

- The initial proposal for the spring semester is to pilot PLTW in 3rd through 5th grades in a specials rotation. The gifted teachers would train the specials teacher at each school to implement one module. The instructional coaches picked the module that is aligned with power standards.

PLTW: Gr 3-5 Proposed Launch Modules

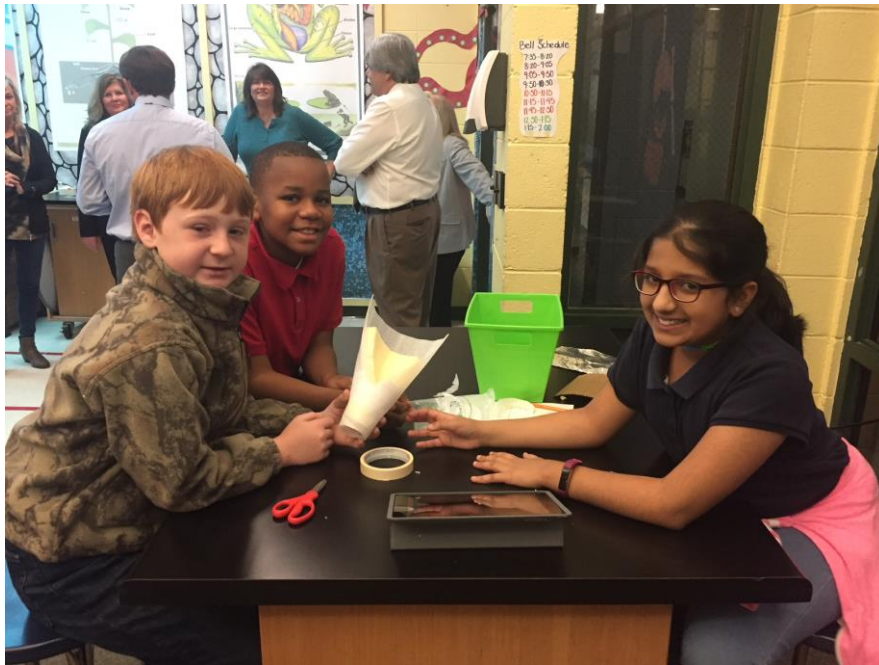
Grade	Semester	Module	MSSCR Standard (Bold = TPSD Power Standard)
3	1	3.2 "Stability and Motion: Science of Flight" <i>Engineering</i>	P.3.6.1 P.3.6.2
3	2	3.3 "Variation of Traits" <i>BioMedical</i>	L.3.2.1 L3.2.4 L3.2.5
4	1	4.2 "Energy: Conversion" <i>Engineering</i>	P.4.6.A.1 P.4.6A.3 P.4.6A.6
4	2	4.4 "Input/Output: Human Brain" <i>BioMedical</i>	L4.1.1 L.4.1.2 L.4.1.3
5	1	5.1 "Robotics and Automation" <i>Engineering</i>	P.5.6.2 P.5.6.3 P.5.6.4
5	2	5.3 "Infection: Detection" <i>BioMedical</i>	L.4.1.4 (Gr 4 standard)

Of note:

- Module 3.2 supports Gr 5 with Newton's Laws of Motion.
- Additional 3-5 grade-level supports from Modules: Gr 6 Life Science 6.L.4
Physical Science 6.P.6
Gr 8 Life Science 8.L.8.2



Grenada Implementation – Discovery Lab





Funding

- **Annual Participation Fee** – There is a **\$750** participation fee per school that is required on an annual basis.
- **Teacher Training** – The initial training takes place over two days and costs **\$500** per teacher [plus travel, lodging, and stipend if during the summer]. These teachers can then be trained to train others through an online course that comes with a **\$750** cost.
- **Equipment and Supplies** – We will buy 1 durable kit per class as well as storage for all materials.
- **Consumables** – We will buy the replacement kits for every additional 30 students. Additionally, we will need to buy a launch log for every student and/or print our own log.
- **Technology** – PLTW Launch will be Chromebook compatible starting in fall 2019. The alternative is to purchase a class set of iPads and a cart for every class, but I am not factoring this into my current calculations.



Funding

- **PLTW Toyota USA Launch Grant** – We received a Toyota Grant for Project Lead the Way Launch. This funding is \$10,000 per school [\$7,500 in year one, \$2,500 in year two]. We were recognized for this grant at the Monday, February 4 Innovative Leaders Summit.
- **Toyota Wellspring Education Fund Professional Development Funding** – We receive \$25,000 for professional development opportunities that can be used for the teacher training.
- **Toyota Wellspring Education Fund Grant** – Stewart McMillan submitted the Toyota Wellspring Education Fund grant application on Friday, February 1 to cover the additional costs of the PLTW Launch implementation.



Questions or Comments...

Have a great day!