

Board of Education Capital Plan FY16-FY21

PROJECT TITLE: THS STEM/Math Enhancement

DATE SUBMITTED: 9/30/2015

DEPARTMENT PROJECT INFORMATION

Department:	Information Technology				
Department Contact:	Adam Sher				
Fiscal Year(s) Requested:	FY12017	FY2018	FY2019	FY2020	FY2021
Department Priority:	Critical	High	Medium	Low	
Type of Project:	Vehicle	Equipment	Technology	Facility	Other

PROJECT DESCRIPTION

Purchase digital / STEM equipment to support computer/ Tech ED/ science/ Math instruction (probes, balances, robotics, legos, Hummingbird kits, etc) at Tolland High School.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Students without access to these tools will undoubtedly find themselves disadvantaged in both higher education as well as the business world.

Cost to Maintain:

N/A

Describe all Benefits and/or Savings:

The demands of the 21st century require our students to learn the necessary technological skills to function effectively and support themselves in the future. "By 2020, 65 percent of all jobs—compared to 28 percent in 1973—will require some form of postsecondary education", according to a new report from the Georgetown University Center on Education and the Workforce. The National Association of Manufacturers reports more than 600,000 unfilled jobs this year. There simply aren't enough workers with the science, technology, engineering and math (STEM) knowledge and skills needed for these and other high-tech, high-skill jobs. Schools must prepare our students now, and that preparation must start at an early age. Supporting our curriculum with the necessary tools is imperative to adequately prepare students for their high-tech futures.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact

Project Cost Elements	FY 2017	FY 2018	FY 2019	FY2020	FY2021	TOTAL
Feasibility Study						
Design - Engineering						
Site Acquisition						
Site Improvements						
Construction						
Inspection Services						
Equipment & Furnishings		\$50,000				\$50,000
Vehicle Purchase						
Other						
Contingency						
TOTALS		\$50,000				\$50,000

Financing Sources

Lease-Purchase

Water Enterprise Funds

Sewer Enterprise Funds

Solid Waste Enterprise Funds

Storm Water Enterprise Funds

State / Federal Grants

Sale of Surplus Property

CPA

Other (specify)

City Appropriation

TOTALS

THS STEM / Math Enhancement

Item	Qty	Cost ea.	Total
Probes, balances, robotics, legos, Hummingbird kits, 3D printers, etc.			\$ 50,000
Total			\$ 50,000