

MONTGOMERY TOWNSHIP BOARD OF EDUCATION
2014-15 BUDGET
NEW PROGRAMS

BUILDING/DEPT **MHS Science**

PROGRAM DESCRIPTION **iSTEM – Advanced Scientific Research**

STATEMENT OF NEEDS:

iSTEM – Advanced Scientific Research is a new course proposed for the MHS Science Department. The addition of this course will coincide with the elimination of AP Physics B from our current program of studies.

The course will require modest furniture upgrades in our greenhouse to accommodate student collaborative groups, equipment storage and new research stations. The proposal includes requests for additional rolling storage cabinets, student tables, and a safety station.

The course will also require the acquisition of a 3-D printer and accompany supplies. This resource will be a key component of the new course and also a valuable resource for the entire school. The course will be designed to implement and utilize exclusively digital technologies. Therefore, there will be no request for traditional textbooks, opting for electronic resources for data collection and research. The proposal will request supporting hardware for the 3-D printer and computing capacity for research, data collection, and presentation.

Detailed Budget of New Program

Description	Account Number	Cost
Storage Cabinets (3@ \$800/unit)	Science Supplies	\$2400
Safety Eyewash Station (1 @ 300.00)	Science Supplies	\$300
Goggle Cabinet (1@ 550.00)	Science Supplies	\$550
First Aid Kit (1@ 35.00)	Science Supplies	\$35
CubeX Trio 3-D Printer (1 @ \$4500)	Technology	\$4500
CubeX Trio 3-D Printer Supplies	Science Supplies	\$4000
Windows PC	Technology	\$2000
Chromebook (12@\$321)	Technology	\$3852
Computer Storage Cart (1@\$1200)	Technology	\$1200
Data Sensors	Science Supplies	\$2000
BioTechnology Equipment	Science Supplies	\$2500

Proposed Reallocation of resources in order to fund this proposal:

Primary Funding for the course materials will be included in the science supplies requests. The new course should not require new allocations in this account above 3% of the 2013-14 budget.

Additionally, funding for the technology requirements may be mitigated by a reduction in the request for science textbooks for the 2014-15 FY.



Submitted by _____