

## MFE's Competitive Grant Program Fall 2016

Title	Teacher	School	Description	Rationale
<b>Graphing Calculator</b>	Michelle Kreuzer, Kristin Masciarelli, Jen Meunier, Jessica Jarboe	MHS	Purchase graphing calculators that will allow students visual access to mathematics concepts. Up to 150 students (grades 9-12) reached on a given day.	A lot of students reached. This is also an essential tool (required) that many MHS students cannot afford. The committee supported this proposal for both its educational value and how it addresses issues of accessibility.
<b>Coding in K</b>	Sarah Slater	Cunningham	Purchase materials to teach coding to Kindergarten students (92 students reached this year)	Innovative way to teach students to become producers, rather than simply consumers of digital content. Further, this work helps students acquire core math and logic concepts through a different medium.
<b>Move to Improve</b>	Laura McDermott and Elise Kirby	Collicot	Purchase an assortment of StandUp desks, DeskCycle exercise bike pedals to create a more active learning environment for co-taught Gr. 3 classroom (25 children per year)	Committee supported this application to try to bring more movement into the classroom to align with other approaches ('brain breaks,' etc.)
<b>Melting Point</b>	Linda Stefanick and Jon Diamond	MHS	Purchase professional-grade Chemistry lab equipment, 250 students reached per year.	NOTE: Committee agreed to fund this, as it is a worthwhile addition to the science classroom, however, they have also applied for an outside grant and have the potential to receive 1K. If that other funding source comes through, MFE would fund \$559.00.

<b>Sam Super Skeleton</b>	Patricia Pauris	MHS	Purchase an anatomically correct skeleton for student instruction by athletic trainer. This reaches all 9-12 students that visit trainer (between 500-700 athletes potentially per year).	Good addition to training room--helps to educate students about injury prevention and exercises. Fits nicely with Wildcat Wellness Center initiatives.
<b>ProRadian Protractors</b>	Michelle Kreuzer	MHS	Purchase 6 sets (of 25) ProRadian protractors. Will be used in Grades 10 and 11, approximately 500 students annually.	Will reach many students, a good way to get students doing hands on math work in class.
<b>I Can Understand You</b>	Carla Eigen	Cunningham/ Collicot	Purchase materials for vocal articulation practice (speech therapy application). Will reach 50 K-5 students per year.	Valuable way to promote acquisition of essential communication skills
<b>Reading on Wheels</b>	Fatima Bourass & Esra Buyukozer	Collicot	Purchase cart, books, and bins for a mobile French library in Grade 1 French Immersion classrooms.	Committee liked that this "bookmobile" would be shared between classrooms and promote literacy and student engagement with texts and each other.
<b>Headphones to Narrate</b>	AJ Melanson	MHS	Purchase headphones for MHS for students to narrate their e-portfolios produced in class. Over 300 students reached per year.	This seemed like an essential tool for students to narrate digital projects without the interference of background noise. Many students also reached.
<b>Take Five Room</b>	Jennie Beliveau	MHS	Purchase 2 iPad minis for use in the "Take Five" room at MHS.	The committee agreed to fund one and see whether it is useful for students in this space.

<b>Boardmaker Studio</b>	Elizabeth Spitz	Collicot	Purchase the software for a program that produces standardized picture symbols for communication in the classroom. (This would be shared by 8 teachers in the preschool/K classrooms)	The teacher readers were effusive in their support of this software that is very useful in the classroom, yet not widely available. They indicated that this is something that is regularly shared by all teachers.
<b>DNA Model Kits</b>	Melissa Burns	MHS	Purchase model kits to teach structure of DNA in a hands-on fashion (350 students reached this year--250 freshmen plus all those enrolled in biotech program through grade 12)	Manipulatives promote active learning and proposal is in line with MPS STEM initiatives.
<b>pH Meters</b>	Paul Damiani & Jon Diamond	MHS	Purchase bench top pH meters to aid students in making their own buffers (Gr 9-12)	Supports STEM learning initiatives--reaches many students and promotes active learning.
<b>Phonics Centers</b>	Amy Zoll, Nicole Young, & Kristen Shanahan	Cunningham	Purchase manipulatives and other materials for Grade 3 Phonics Centers, will reach 75 students per year.	Third grade is a crucial time for phonics instruction as the 50% or more coming from French Immersion will need to learn English phonics from the ground up.
<b>Using Tools to Support Design</b>	Jim DeMaggio	PMS	Purchase a Free Hand Foam Cutter for STEM projects in Gr 7 (approx. 100 students)	Foam cutters are used in the professional design and engineering world to create sketch models--this tool would give students valuable experience using a tool to support STEM learning.
<b>Flexible Seating</b>	Gr. 4 - Rita Chen & Sharon Knight; Amy Harkins (Occupational Therapist)	Cun	Purchase tables and wobble stools to promote interactive collaboration in the classroom. *45 students reached annually	Teacher readers supported this grant, noting that they have found these materials to be useful in their classrooms.

<b>Science in Real Time</b>	Nicole Lauria, Michelle Boissonneault, & Jeffery Stoodt	PMS	Purchase digital webcams for in-class science instruction. Instructors can project what they are working on so the class can see on large screen. Will reach approximately 300 students per year.	Simple tool that will help students see demonstrations in the classroom and will promote learning.
<b>Non-Fiction Comes to Life</b>	Bernadette Butler	Glover	Purchase a collection of science texts to supplement annual author visit and teach students about ecology and natural science topics. Books will remain in library collection for students to check out. Impacts grades 1, 3, 5.	Small amount of money to provide valuable texts to reinforce student learning.
<b>Happily Ever After</b>	MaryCate Theobald	Cunningham	Purchase an assortment of English and French texts and materials to create a designated reading space for Grade 5 students. This year, 75 students would use these materials--same in future years.	Initiatives to encourage and sustain reading interest are essential at this age. Committee feedback liked that this was a low-tech approach that would be used for many students to come.
<b>Opening New Worlds</b>	Karen Spaulding	PMS	Purchase selection of 150 books (75 French, 75 Spanish) to provide young adult literature that reflects the cultures explored in Gr. 6-8 foreign language classrooms. Will reach over 900 students per year.	Quality selection of texts with a global emphasis.