



**BHS FOUNDATION**

Engaging Students  
Empowering Educators  
Enriching Community

# Winter 2014 Mini-Grants

[www.bloomfield.org/Foundation](http://www.bloomfield.org/Foundation)

## **Green Screen Studio, Amy C. Kiesel, East Hills Middle**

**Purpose:** To expand a student's ability to communicate their understanding in creative and personalized ways. Gone are the days of the dioramas! Students create video presentations that place them anywhere in the world.

**Equipment:** A Green Screen Kit and App, a tri-pod mount for an iPad, an external microphone and a microphone camera connection.

## **Look What I Can Makey Makey, Marnie Diem, Conant Elementary**

**Purpose:** To expose students to programming and coding using the Makey Makey invention kit to create controllers.

**Equipment:** HP Chromebooks and Makey Makey Kits.

## **Smarter Music with Smart Music, Ryan Quinn & Kendra Peterson, Way, Eastover & Conant Elementary Schools**

**Purpose:** To enhance classroom music programs and dramatically improve skills through the use of an interactive computer program, SmartMusic.

**Equipment:** iPads, iPad cases and SmartMusic Subscriptions.

## **SOAR ! (Summer of Awesome Reading), Shelley Lazarus, Eastover Elementary**

**Purpose:** To involve 75% or more students in a summer reading program in an effort to maintain or improve reading levels during the 2014 summer break.

**Equipment:** eReaders, eBooks and incentive prizes.

## **Piano Lab, Kate Philp, Lone Pine Elementary**

**Purpose:** To develop the foundation and skills required to play a musical instrument while encouraging students to be active music makers and creators.

**Equipment:** Piano Keyboard, IOS Devices, Keyboard Stands and Power Adaptors.

## **The Learning Carpet, Angela Parker, Conant Elementary**

**Purpose:** To promote brain-based learning using the Learning Carpet and its cards and games which incorporate movement, laughing, experimenting, discovering and sharing.

**Equipment:** An Educational Play Carpet.

## **Apps for Life, Rebecca Swain, P.R.E.P.**

**Purpose:** To learn to use Apps that assist with daily living activities and increase independence.

**Equipment:** iPads and cases.

## **MathMosis, 3<sup>rd</sup> Grade Teachers, Conant Elementary**

**Purpose:** To facilitate memorization and long-term integration of math facts through formats which incorporate music, movement, drama, language, rhythm and chants.

**Equipment:** MathMosis Counting Systems.

## **Communicaton iPad, Cindy Seguin, Wing Lake**

**Purpose:** To offer adaptive communication opportunities for students in wheelchairs.

**Equipment:** iPad

## **Kid-Friendly Digital Camera Set, Eastover Elementary**

**Purpose:** To creating meaningful, engaging, creative and interactive learning opportunities through the use of digital photography.

**Equipment:** Discovery Kids Digital Cameras

## **Using Children's Literature to Reinforce Mathematical Concepts, Margaret Cantwell and Jennifer Flowers, Eastover Elementary**

**Purpose:** To connect mathematical concepts and language to everyday practicalities.

**Equipment:** Marilyn Burns Classroom Math Library

## **3-D Printer, Eastover Elementary**

**Purpose:** To solve problems in the physical world using a 3D printer. Students use math, measurement and scaling skills to create designs.

**Equipment:** MakerBot Replicator 2 (3D printer)

## **7<sup>th</sup> Grade Weather Station, Karen Childers, Bloomfield Hills Middle**

**Purpose:** To study environmental science through a year-long analysis of weather patterns. Learning concepts include managing and reading data charts and graphs, and sharing data with the community.

**Equipment:** Wireless weather station and WeatherLink program.

## **Differentiating Instruction through Teacher Created Videos, 9<sup>th</sup> Math Teachers, BHHS**

**Purpose:** To create a catalog of videos that supplement classroom instruction. Video lessons are a helpful resource for students. Students can use the videos both in and outside of the classroom.

**Equipment:** Laptop/tablet combination units and Chromebooks to use with math software such as Geogebra and Desmos.

## **Sow the Word: Perennial Writing Garden, Kari Griesbeck, BHHS**

**Purpose:** To establish and maintain a perennial garden that can take root with the new high school. The garden will teach students about the legacy of garden space and the tradition of using perennial gardens as a meditative and inspirational place in which to write both fiction and non-fiction.

**Equipment:** Soil, mulch, plants and gardening equipment.