

WPSF 2014 Grant Summaries

Grant #14 Nuclear Chemistry Lab Materials

The Nuclear Chemistry Lab Materials grant supports STEAM goals at WHS by providing radioactive samples, monitors and nuclear shielding kits for a hands-on learning experience for high school students. A deeper understanding of the various types of radioactive isotopes and their behavior will help students realize that nuclear chemistry is everywhere, from energy produced by the sun and alternative energy sources to the soil and food we eat.

Grant #17 Anatomy & Physiology Course for 2015-2016

The Anatomy & Physiology Course grant provides funding for the creation of a new, lab-based course investigating the structure and function of the human body. Increasing lab skills such as dissection, observation and microscopy align with STEAM goals at WHS and broadens the scope of science offerings for a wider range of student abilities and interests.

Grant #30 Technovation Tablets

The Technovation Tablets grant supports the formation of a Technovation Club at the WMS, a technology entrepreneurship program and competition for young women, where students will imagine, design and develop mobile apps and then pitch their “startup” businesses to judges. The Club will showcase students’ creativity and innovation within the Computer Science field, while supporting a “growth mindset” for STEAM skills.

Grant #34 Social Studies and Science Integration at Grade 3

The Social Studies and Science Integration grant will allow each area of study in Social Studies and Science to be connected to reading, writing and speaking, helping students in the 3rd grade gain proficiency in these areas in an integrated fashion. Students will gain a deeper understanding of how topics are connected in the real world and teachers will gain time to teach required units, while strengthening students’ abilities to grapple with non-fiction and fiction texts.

Grant #35 Ten Marks Math Program

The Ten Marks Math Program grant will fund a pilot program at Claypit Hill School for an online program to provide math assessment and extra practice for students that is directly linked to the math Common Core standards. The program provides instant and specific data about individuals as well as class trends and is modeled after Partnership for Assessment of Readiness for College and Careers (PARCC), giving teachers ongoing feedback about the standards they are required to teach.

Grant #39 Microscope Cameras for the Elementary Classroom

The Microscope Cameras for the Elementary Classroom grant provides funding for a microscope and camera for each 3rd, 4th and 5th grade classroom in the Wayland elementary schools. The cameras connect the microscopes to the teacher's laptop or to student's iPads, allowing projection of microscopic images to the whole class simultaneously, allowing teachers to guide viewing, discussion and exploration and deepening students' understanding of biological and non-biological structures.

Grant #52 Origami: Integrating Art and Mathematics

The Origami: Integrating Art and Mathematics grant will bring origami artist and author Michael LaFosse to teach a hands-on origami activity in every K-5 classroom at Happy Hollow School. Mr. LaFosse uses origami to reinforce math terminology and concepts and will teach students to make mathematical models in a uniquely beautiful way.