

**Helena Education Foundation's
Great Ideas Grant Recipients
Spring 2005**

1. **Need Geocache (\$3000)**

Schools: Helena Middle School/CR Anderson Middle School **Teacher Recipient:** Peg Hartman

Sponsor: Helena Elks Lodge #193

Middle School teachers from HMS and CRA will use Global Positioning Systems (GPS) to teach geography in a more modern, technologically proficient manner. Armed with their GPS devices, students will locate treasures at various environmental sites around Helena, learning about both career and recreational uses.

2. **Forging Success (\$3000)**

School: Capital High School

Teacher Recipient: Jim Weber

Sponsor: Sandy Mac's Distributing

Welding students will develop knowledge and skills in metal forging, metallurgy and heat treatment of steels through the "Forging Success" grant, all critical and marketable skills in today's technology mandatory world. The grant funds will be used to purchase and install a gas forge to heat metals for the forming of exciting, hands-on student projects.

3. **Brains and Brawn (\$975)**

School: Helena High School

Teacher Recipient: Julie Beaver

Sponsor: Blue Cross Blue Shield of Montana

Anatomical models of the arm and brain acquired through "Brains and Brawn" are exciting supplemental materials to be used by students and teachers in the study of comparative anatomy and physiology. The manipulative nature of the models will increase student transfer of knowledge and understanding of their own bodies.

4. **A Vision in Glass (\$3000)**

School: Capital High School

Teacher Recipient: Genevieve Anderson

Sponsor: GPD, Inc. for Harriett Meloy

Using new, high-quality equipment for stained glass art purchased with this grant, students will be able to choose from a whole new world of ideas; learn and apply innovative techniques; and create top quality artwork for the community that will bring a sense of belonging that extends beyond the personal projects of the students.

5. **Casting a Future (\$2900)**

School: Capital High School

Teacher Recipients: Jim Weber

Sponsor: Wells Fargo Bank

Welding students will use equipment provided by this grant to design and machine part molds and patterns that will be cast with various metals using a foundry, industries that have existed for years. When combined with computer technology, students learn valuable and marketable skills in demand by industry throughout the country.

6. **Seminar Expedition (\$1320)**

School: Helena High School

Teacher Recipients: Dave Thennis

Sponsor: The Independent Record

The Science Expedition to the Northwest is a culminating activity for students through hands-on and personal experience, maximizing understanding of scientific systems and nature, bringing to life studies in class over the past 12 years.

7. **BTY Presents: Documenting the Neighborhood (\$630)**

School: Bryant School

Teacher Recipients: Charlotte Henson

Sponsor: GPD, Inc. for Emelia Satre

BTV Project students will meet for 10 weeks after school in the fall of 2005 for a small group, creative activity to design, film, edit and present a video of the businesses, historical buildings, noted alumni, and community activities found in the Bryant School neighborhood. Students will select the highlights of the Bryant School neighborhood they wish to highlight, providing a chance for them to interact with the adults and other local children.

8. **21st Century Data (\$1350)**

School: Capital High School

Teacher Recipient: Tom Pedersen

Sponsor: Mountain West Bank

Moving into the 21st century with real field experiences, honors biology and science seminar students will use high tech instruments such as GPS receivers, digital cameras, and walkie-talkies on field trips and experience improved group safety and communication skills, accurate data collection and recording and development of a long-term data base as they go into wilderness areas, National Forests and Parks.

9. **Geotechnology: We Found the Needle in the Haystack. Now What? (\$3000)**

School: Helena Middle School

Teacher Recipient: Jim McGrane

Sponsor: KTVH

Seventh grade students will locate, document and map locations of noxious weeds in the Helena area using GPS devices and geographic information systems, making the information available to state and county agencies.