

## Health and Science School

**2011-2012**

**Anatomy In Clay: \$918**

**Funding provided through BEF Building STEAM for All Program**

Anatomy in Clay will provide students with hands-on learning techniques to reinforce and strengthen the retention of material presented in Anatomy class. Mannequins will be used, along with clay, to construct muscles and organs to add to an existing skeleton. This hands-on approach will allow students to grasp the human body in three dimensions spatially. The activity-based class will allow students to use their critical thinking skills in the construction of the human body and its systems.

**2010-2011**

**Sandy River Delta Expedition: \$970**

**Funding provided through the Building STEAM for All Program**

To reinforce the tie between the arts and sciences students will attend a fieldwork session through the Audubon Society to the Sandy River Watershed, gaining hands-on experience detailing their observations and sketching the river ecosystem. Students will produce a field guide that includes painting, poetry and detailed adaptation facts about their chosen animal. In addition they will document the water quality and its effect on the ecosystem and their animal.

**2009-2010**

**Sandy River Delta Expedition: \$970**

**Funding provided through the Building STEAM 4 All Program**

Leonardo da Vinci noted the painter was uniquely qualified to probe nature's secrets due in part to his keen powers of observation. This tie between the arts and sciences will be reinforced when students attend a fieldwork session through Metro Regional Parks to the Sandy River Delta. Students will gain hands-on experience detailing their observations and sketching the local river ecosystems. They will work on producing a "Sandy River Delta Pocket Field Guide". Each student will produce a watercolor painting and detail facts about a chosen animal or bird. The pages will be combined to form the field guide.

**Those Who Came Before Us: \$1,000**

This ten-week project is a major investigation of the "First Americans". Students will study multiple theories regarding migration of the first native people of America; where they may have originated, and how they arrived here. The project includes exploration of other ancient people and findings such as Neanderthals, Pre-Clovis, Clovis points, a frozen baby mammoth named "Lucy", the Monte Verde site in Chile and locally, the Paisley Cave coprolites.