

2007 Hughes Science Education Scholars

Erica Beck (Department of Chemistry) – *Using PIXE Analysis to Determine the Provenance of Dune Sand*. (Supervisor: Dr. Graham Peaslee)

Jason Becker (Hope College Science Camps) – *An Action Research Study on the Effectiveness of Teacher Modeling Versus Independent Problem-Solving with Small Groups in a Science Curriculum*. (Supervisor: Mr. Tod Gugino)

Mallory Chapman (Department of Mathematics) – *Developing a Supplement for Introductory Statistics at Hope College*. (Supervisor: Dr. Nathan Tintle)

Jonathan Hertel (Hope College Science Camps) – *Teaching and Evaluation of a Botany Course in the Hope College Summer Science Camps*. (Supervisor: Mr. Tod Gugino)

Jolene Huber (Hope College Science Camps) – *Visual, Auditory, and Kinesthetic Learning Style Assessments via Science Camps at Hope College*. (Supervisor: Mr. Tod Gugino)

Elizabeth Lawrence (Department of Physics) – *Curriculum Developing and Networking Building in Physics with Secondary Teachers in the Holland Zeeland Area*. (Supervisor: Dr. Catherine Mader)

Ashley O'Shaughnessy (Hope College Science Camps) – *Hope College Summer Science Camps, 2007: The Effect of Motivation, Perception, and Ability on Student Learning in an Extracurricular Environment* (Supervisor: Mr. Tod Gugino)

Katie Oxendine (Department of Nursing) – *Improving Drinking Water Quality for Rural Villages in Africa: A Pedagogy for Empowerment*. (Supervisors: Dr. Susan Cherup and Dr. Amanda Barton)

Kellia Poll (Department of Chemistry) – *Curriculum Development and Lesson Plans for Elementary Science*. (Supervisor: Dr. Joanne Stewart)

William Statema (Department of Physics) – *Teaching College Physics Through the Use of E-Book Technology*. (Supervisor: Dr. Catherine Mader)