Grant Title: DISCOVERY RESEARCH K-12 (DR-K12)

Grant Number: NSF 08-502

Area of Research: Seeks to enable significant advances in K-12 student and teacher learning of the STEM disciplines through research, development, and implementation of innovative resources, models, and technologies.

Release and Expiration: 2007 release; January 20, 2009 expiration.

Application Deadlines: January 28, 2008 and January 19, 2009.

Amount: *Conference and Workshop*: Up to $100,000, 5-10 awards; *Exploratory*: Up to $150,000 per year, 15-20 awards; *Full Research and Development:* Up to $4,000,000, 15-20 awards. *Synthesis:* Up to $250,000, 10-15 awards; *DR-K12 Resource Network:* Up to $1.000,000, 1 award.

Length of Support: *Conference and Workshop*: Up to 2 years; *Exploratory*: Up to 3 years; *Full Research and Development:* Up to 5 years. *Synthesis:* Up to 2 years. *DR-K12:* Up to 5 years.

Eligible Applicants: Institutions and organizations including universities, two- and four-year colleges, state and local education agencies, school districts, professional societies, research laboratories, informal science education centers, private foundations, or other public and private organizations whether for-profit or not-for-profit.

Agency/ Department: NSF

Summary: This funding opportunity supports programs that seek to enable significant advances in K-12 student and teacher learning of the STEM disciplines through research about, and development and implementation of, innovative resources, models, and technologies for use by students, teachers, and policy makers. Activities funded under this solicitation begin with a research question or hypothesis about K-12 STEM learning or teaching; develop, adapt, or study innovative resources, models, or technologies; and demonstrate if, how, for whom, and why their implementation affects learning. This solicitation calls for proposals that are responsive to either the *Contextual Challenges* strand or the *Frontier Challenges* strand. The former invites proposals that address the more immediate and pressing challenges facing K-12 STEM education at the national level. The latter anticipates opportunities for the future and supports initiatives on the frontiers of knowledge which challenge existing assumptions about learning and teaching within or across STEM fields, envision needs of learners in 10 to 15 years, and consider new and innovative ways to reach learners. Within these strands, the program calls for full research and development projects, exploratory projects, and synthesis projects. A DR-K12 Resource Network will be funded to support these efforts in FY 2008. In addition, conferences related to the mission of the DR-K12 program are also supported. The goal of the DR-K12 program is to enable significant advances in K-12 student and teacher learning of the STEM disciplines through the development and study of resources, models, and technologies.

Detailed Information: http://nsf.gov/pubs/2008/nsf08502/nsf08502.htm