2008 Summer Positions at IMCS for Classroom Educators

The Rutgers University Institute of Marine and Coastal Sciences is currently looking to engage several classroom educators in an exciting array of program development opportunities this summer. Each position offers teachers the chance to work in cutting-edge research and education environments, developing materials that will be used by educators, museum guides and students across the country.

Successful candidates will be expected to spend approximately 20 hours a week (on average) working on their assignments over the timeframe specified, and will be required to attend weekly design team meetings on the New Brunswick campus.

Candidates should submit a current resume and letter of interest indicating which position(s) they are interested in along with a description of how they feel they could contribute to the chosen project(s).

Please send your application to:
Rutgers University
Institute of Marine & Coastal Sciences
Education and Public Outreach Program
Attn: Sage Lichtenwalner
71 Dudley Road
New Brunswick, NJ 08901

Applications are due: May 9, 2008

#1 MARE Program Developers
Stipend: $2,500
Participation Dates: 6/30 to 8/1 (5 weeks)

We are assembling a team of elementary educators to develop a collection of grade level (K-6) workbooks to assist in implementation and turnkey of the MARE program. Applicants will work with curriculum design experts to simplify and streamline each grade level MARE binder offering 1) additional guidance on the cultural relevancy of the program and the lesson themselves, 2) additional tips and guidance on providing turnkey professional development for the whole school faculty, and 3) detailed scope and sequence of the lesson plans to better facilitate the learning progression of the material and integration into existing school curriculum. Successful candidates will adapt existing curriculum materials and tailor them to New Jersey school needs, adding relevant local content as necessary.

#2 “Our Hudson Home” Informal Activity Developers (with Liberty Science Center)
Stipend: $4,000
Participation Dates: 6/30 to 8/22 (8 weeks)

We are looking for motivated educators to design a suite of activities on the Hudson River Estuary for use in both formal (school group) and informal settings (public visitors or extended visits) at Liberty Science Center. Successful candidates will work with Liberty Science Center educators to utilize the “Our Hudson Home” exhibit and real-time data resources from the Rutgers University Coastal Ocean Observation Laboratory (www.thecooolroom.org). Activity products will include: 1) an informal activity that could be presented on a cart, 2) family science programs that can be taught in Liberty’s Delta Laboratory, and/or 3) short classroom activities for visiting school groups. In addition to design team meetings in New Brunswick, successful candidates will be required to spend several days at Liberty Science Center working with their staff throughout the course of the summer.

#3 COOL Classroom Online Curriculum Developers
Stipend: $4,000
Participation Dates: 6/30 to 8/22 (8 weeks)

The COOL Classroom (http://new.coolclassroom.org) is a new online educational platform that provides guided inquiry experiences to middle and high school students on marine themes. Many activities involve the use of real-time data and connect students with cutting-edge research. Educators will work with marine scientists and a design team of educational researchers, programmers and graphic artists, to develop two new curriculum units on spatial literacy and marine ecosystems/habitats.

#4 Real-Time Data Activity Developers
Stipend: $4,000
Participation Dates: 6/30 to 8/22 (8 weeks)

Lessons that incorporate real-time data can help students develop analytical skills while providing real-world motivation for learning. We are looking for educators to help develop computer-based activities that utilize real ocean data collected from satellites, underwater robots and other instruments to help engage students in inquiry-based science while using and analyzing data. Successful candidates will work with scientists and engineers from the Coastal Ocean Observation Lab to develop 2-3 lessons and data activities that include engaging stories that explain the data and the way it was collected.