4-H program, Sept. 7, 2002; 9 a.m. – 3 p.m.

Energy Warriors

Camp Leaders: Don Bryant (Physics), P.K. Raju (Engineering), Chetan S. Sankar (IT)
Camp Coordinators: Tony Cook (Logistics), Lakshmi Sankar (Curriculum), Michael Gray (Evaluation)
Camp Helpers: AU Students (Dan, Shiva, Srinivas) and Michael

Camp Objectives:
I. Each student will
   (a) learn about, experience, and use information technologies to explain a science project
   (b) be motivated to learn more about science, in particular physics
   (c) experience science learning outside of formal classroom environments
II. Parents/coordinators will
   (a) be stimulated to support their children’s science learning endeavors
   (b) become informed proponents for high-quality science education

Session I

9 a.m. – Introduction to program: Tony Cook and P.K. Raju
All participants complete a perceptual questionnaire

Energy Basics: Leader: Don Bryant
   - Powerpoint slides introducing the module
   - What do you know about energy?
   - Tutorial on Physics Warriors: Energy Basics Background material:
     o Powerpoint slides, Videos explaining potential, kinetic energy
     o Videos/Examples showing types of energy

Multimedia Basics: Chetan S. Sankar
   - Overview of multimedia presentation
   - Show how to use a digital camera

10.20 – 10.30 - Break

Session II

10.30 a.m. – Review and Instructions for the Science Projects: Don Bryant
10.40 – 11.40 a.m. – Work session: Science Project
- Please ensure that you collect enough data and take sufficient photos for the multimedia presentations.
- Parents/ coordinators could help the student teams in accomplishing the goals of the science project.

11.40 a.m. – Clean up, Return instruments and get ready for lunch.

11.45 a.m. - Lunch break

**Session III**

12.30 p.m. –Instructions for multimedia presentations project: Daniel Seaton

12.40 – 1.30 – Work session: Multimedia project
- Include photos in presentations, write short notes, include photos/videos from Della CD, put them in Powerpoint and prepare a presentation on the project experience.

1.30 p.m. – Get ready to present

1.40 – 1.45 p.m. - Break

**Session IV**

1.45 p.m. – Instructions on showcasing and presentation of the projects: Tony Cook and P.K. Raju

1.50 p.m. – Showcasing and presentation of the projects by each team. Each team will have about 5 minutes for the presentation

1.45 – 2.35 p.m. – Presentations and questions and answers

2.35 – 3.00 p.m. – Complete what have I learned about energy and evaluation questionnaire

3.00 p.m. – Camp is complete.

**E-Mails of Camp Leaders**

Camp Leaders: Don Bryant (Physics; bryantmd@tallassee.net),
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