

Hampton University Department of Physics

YOUNG DOCTORS PROGRAM

June 21 – July 22, 2010

Summer Science Enrichment Program

The Young Doctors Program is a summer science enrichment program for rising 7th and 8th grade students. The program is intended for students interested in mathematics, physics, engineering, and other science-related fields. The Young Doctors Program focuses on accomplishing four goals:

- Exposing students to a wide range of science disciplines and careers - speakers from various science disciplines will expose the students to a wide range of professions and careers they may not have seen before. Speakers from previous years include medical and dental doctors, aerospace and mechanical engineers, veterinarians, physical therapists, atmospheric scientists and physicists. These speakers teach the students their craft, while inspiring and reassuring the students that there is a solid minority and female presence across all fields of science.
- Developing research skills – students use internet resources to learn more about assigned science topics. The information they learn from the research is then applied to their hands-on projects and used in their presentations.
- Improving problem-solving skills – students must use their problem-solving abilities to find solutions to complex problems presented to them. Such problems include an egg-drop project, in which students are given a set of basic materials and asked to protect an egg during a 3-story drop. After testing their projects, students will be challenged to analyze their project's performance and think of ways to improve upon their designs.
- Improving communication skills – students will hone their presentation skills by making several group presentations based on their internet research and results from their project testing. Students will also improve their communication skills while working on projects in groups of 3-4 members.

Details

Classes meet daily from 9am – 3pm on the campus of Hampton University. The program will end with a closing presentation and reception to show parents what their children have accomplished during the program.

Costs

The fee for this five-week program is \$375, with a \$150 deposit due upon acceptance to the program. The program fee covers all required materials, daily lunch, and three local field trips. Free before- and after-care will be provided beginning at 8am and ending at 4pm. A fee will apply to students staying after 4pm, and students may not be dropped off before 8am.

For More Information

Please visit the program website at www.youngdoctors.org for more information. There, students may also complete an online application or download a paper application.

If you have questions, please email Falcon Rankins at staff@youngdoctors.org, or call Ms. Jan Mangana, Associate Director for Education in the HU Department of Physics at (757) 728-6908.

Deadlines

Suggested application deadline: April 19, 2010

Acceptance information will be mailed on or before April 30, 2010

\$150 deposit required within 2 weeks of receiving acceptance information

Remainder of fee required by June 21, 2010