

## **HAVE YOU EVER...**

- ... built a robot?
- ... designed a computer game?
- ... made your own webpage?

## **WHAT IS ARTEMIS?**

The Artemis Project is a five week summer program for girls finishing 8th grade who are interested in science and technology.

Through activities such as exchanging e-mail with a mentor or building intelligent robots, students will be introduced to concrete computer science skills and abstract computer science concepts.

They will develop self-confidence and leadership in an encouraging and challenging environment.

## **WHEN WILL IT BE HELD?**

The program will be held on the Brown University campus from June 25 through July 27, Monday through Friday, starting at 9:00 am and running until 3:30 pm. It bears no cost to the participants.

*The Artemis Project is named after the Greek Goddess of the Hunt, who was known for her strength, independence, and courage.*

## **WHAT WILL YOU LEARN?**

We begin by introducing the computer and its basic functions. Through practical experience with Windows 2000, Macintosh, and UNIX, you will gain an understanding of these operating systems and of the fundamental workings of a computer.

We will focus on the use of logic and deductive reasoning in exploring topics in computer science, such as object-oriented programming, artificial intelligence (i.e., smart robots), and computer animation. You will be introduced to some of the most cutting-edge discoveries in computer science.

In addition, you will learn the practical skills needed for word processing, e-mail, and the World Wide Web. Next year, you will be able to do your research for a history paper on the Internet, write it in a word-processing application such as Microsoft Word, and send it to your teacher by e-mail.

By the end of this program, you will have practical skills and conceptual background that will allow you to follow your curiosity and interests in any direction they may lead you.

## **HOW WILL YOU LEARN?**

- x Hands-on experience using computers in state of the art facilities
- x Group problem solving activities
- x Interactive games
- x Building and programming Lego Mindstorm robots
- x Creation of personal web pages
- x Guest lectures by Brown University professors
- x E-mail with pen pals
- x Field trips
  - x Brown Computer Science Dept.
  - x Virtual reality lab
  - x Boston Science Museum

## **WHO CAN APPLY?**

If you are a creative and motivated girl curious about math, science, or computers and will enter 9th grade this fall, you are qualified to apply for Artemis. ***No prior computer experience is necessary.***

## **HOW DO YOU APPLY?**

If you do not have an application, you can get one from the WWW at <http://www.cs.brown.edu/orgs/artemis>, or you can contact us directly and we will mail one to you. Applications are due to us on Thursday, May 10, 2001.

## WHO ARE WE?

Three Brown undergraduate women are coordinating The Artemis Project 2001. We are studying diverse fields such as Computer Science, Visual Arts, Cognitive Science, and East Asian Studies. We are very excited to be working with you this summer! Please contact us with any questions you may have about the program. We'll be glad to talk with you.



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### Contact Information

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### **Microsoft Local Community Alliance (Law & Corporate Affairs):**

*Bill Newkom  
Senior Vice President  
Chris Jones  
Senior Program Manager Within  
Community*

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### **Leadership Alliance**

*James Wyche  
Associate Provost and Executive Director*

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*Dean Karen Romer  
Dean David Targan*

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