

## ***WHO IS ARTEMIS?***

We are four undergraduate women at Brown coordinating The Artemis Project 2006. We are all studying computer science among other subjects. We are extremely excited about the summer! Please contact us with any questions you may have about the program; we would be delighted to speak with you.



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## **Contact Information**

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### **The World Wide Web:**

<http://www.cs.brown.edu/orgs/artemis>

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*The Artemis Project 2006 could not have happened with the support and guidance of Professor Thomas Dean, former Chair of the Department of Computer Science at Brown University, and our generous sponsors.*

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

*Bill Newkom  
Senior Vice President*

*Chris Jones  
Senior Program Manager Within Community*



### ***Leadership Alliance:***

*James Wyche  
Associate Provost and Executive Director*



### ***Brown University and the Undergraduate Teaching and Research Assistantship (UTRA) Program:***

*Dean Karen Romer  
Dean David Targan*



*Special thanks to Katrina Avery, John Bazik, Suzi Howe, and the past Artemis Coordinators.*





## WHAT IS ARTEMIS?

The Artemis Project is a free five week summer program for girls entering 9<sup>th</sup> grade who are interested in science and technology.

Through activities such as exchanging e-mail with a mentor and building intelligent robots, students will be introduced to concrete computer science concepts. They will develop self-confidence and leadership in an encouraging challenging environment. It bears no cost to the participants.

## TIME & PLACE

The program is held on the  
Brown University campus

**June 26 – July 28**

Monday thru Friday, 9 AM – 3:30 PM  
PLUS A FAMILY EVENT SATURDAY,  
JULY 29.

*The Artemis Project is named after the Greek Goddess of the Hunt. She 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 XP**, **Macintosh**, and **LINUX**, 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 the program, you will have **practical skills** and a **conceptual background** that will allow you to follow your **curiosity** and **interests** in any direction they may lead you!



## HOW WILL YOU LEARN?

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

## WHO CAN APPLY?

Creative and motivated girls who are curious about math, science, or computers and are entering 9<sup>th</sup> grade in the fall of 2006 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 World Wide Web at <http://www.cs.brown.edu/orgs/artemis>, or you can contact us directly and we will mail one to you. Applications are due on Friday, April 29<sup>th</sup>.