Astronomy Village:
Investigating the Universe

Astronomy Village: Investigating the Universe is a CD-ROM based multimedia program that provides teachers and students with ten complete investigations in astronomy intended to complement and extend the science curriculum in 9th and 10th grade classes. Students, in teams of three, use the *Astronomy Village* software to conduct investigations in astronomy and learn about the nature of scientific inquiry. The *Astronomy Village's* interface is based on the village-like appearance of major observatories on mountain tops. Tools available to students include an image processing program, a document "reader," an image browser, a telecommunications program for accessing the world-wide web, and various simulation programs. The simulation programs include a star life cycle simulator, an orbital simulator, and a 3-D star simulator. Other resources available on this CD for the student research teams include: digitized video clips; images from the Hubble Space Telescope and other instruments; audio clips of astronomers discussing their work; computer animations and graphics; and full text documents such as book chapters, NASA publications, and articles from astronomy journals and magazines.

Application Goal

The goal of the *Astronomy Village* is to provide schools with a multimedia curriculum resource aligned with national education reform efforts. The *Astronomy Village* provides opportunities for students to engage in scientific inquiry, learn about stars and stellar evolution, and make use of NASA resources and data.

Objectives

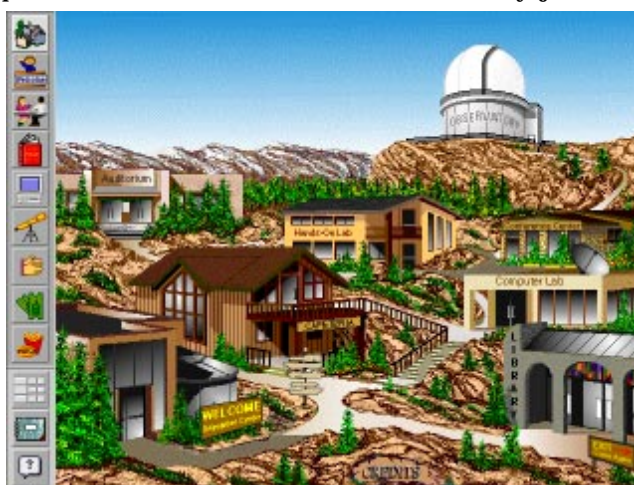Students using NASA's *Astronomy Village* will:

- be motivated to learn about concepts in astronomy
- engage in scientific inquiry
- explore questions related to astronomy
- make use of technology to acquire, explore, and analyze information
- learn specific concepts related to stars and stellar evolution

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For more information, contact

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System Requirements

Astronomy Village is a Macintosh program. Its minimum system requirements are:

- Macintosh LC III* with System 7
- 8 megabytes of RAM
- 13" RGB color monitor (640 x 480 pixels, 256 colors)
- CD-ROM drive
- Hypercard 2.2 (not Hypercard Player)

* *Astronomy Village* also runs on Power Macintosh