

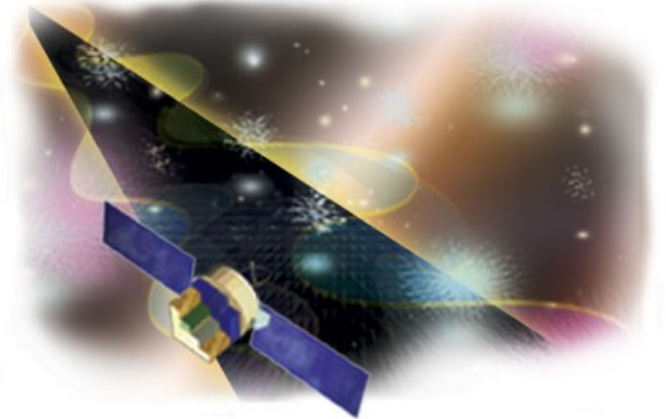


Swift and GLAST EPO at SSU

Swift



GLAST



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Swift/GLAST EPO

- **Goal:** to use the observations and scientific discoveries of the Swift and GLAST missions to improve the understanding and utilization of science and mathematics concepts for grades 7-12 (Swift) or grades 9-12 (GLAST)
- *From the K-12 viewpoint – a gamma-ray is a gamma-ray!*





Swift/GLAST EPO

- **Major Program Elements in common:**

- EPO Web Sites – both newly redesigned for LHEA CD
 - > <http://swift.sonoma.edu>
 - > <http://www-glast.sonoma.edu>
- Monthly NASA Quest WebChats (9 in 00/01)
- Poster and Teacher's Guide sets, Manipulatives
 - > Swift will focus on concepts (e.g., EM spectrum)
 - > GLAST will focus on objects (e.g., AGN)
- Educator Training at National and Regional Conferences
 - > Gamma 2001: sponsored by GLAST - featured Swift materials on EM spectrum
 - > NSTA, NCTM, CSTA, CMC, NBSP
- Independent Assessment by WestEd



Swift/GLAST EPO

- **Space Mysteries** – a planned series of 6 interactive, web-based modules that teach physical science and math at the high school level – <http://mystery.sonoma.edu>
- **Three more modules will be developed by Swift and GLAST in 2003-2005**

- Alien Bandstand – try it!
- Escape from the Doomed Planet – coming soon
- Star Market Scandal





GLAST Unique Program Elements

- **PBS Television Special with Tom Lucas Productions**
- **Telescope Network**
 - High schools and amateurs
 - Will observe GRBs and AGNs
- **SLAC Virtual Visitor's Center**
 - Web site upgrade
 - Gamma-ray detector interactive page
- **TOPS Science Printed Lesson Plans and Activities**
- **GLAST Ambassadors Program**
 - 5→10 educators who will help develop, test and disseminate material





SLAC Virtual Visitor's Center



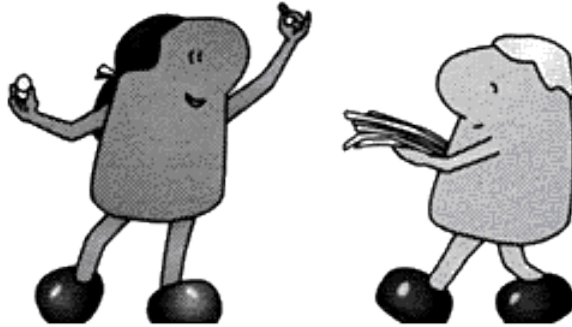
EXPLORE THE VIRTUAL VISITOR CENTER



<http://www2.slac.stanford.edu/vvc/home.html>



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