

**Link Summer Science Explorations 2009  
at the  
Kopernik Observatory & Science Center**

**Link 1 Residential Astronomy  
The Sun, the Solar System, and Star Systems**

**COURSE OUTLINE  
Tentative**

**Week One, July 19-25: *Investigation of our Sun and the Solar System***

- Labs:** Solar Observing  
Build a Magnitude Finder  
Stellar Spectrum Lab  
B&W Photography  
Basic Digital Astrophotography
- Presentations & Activities:** Star Classifications  
Stellar Evolution  
Protoplanetary Disk Formation  
Planet Formation  
Digital Astrophotography  
Solar Missions: SOHO & Ulysses Mission
- Field Trip:** Cornell Astronomy Department
- Final Project:** Solar System Project

**Week Two, July 26-August 1: *Investigation of Star Systems***

- Labs:** Solar Observing  
Digital Mapping Sky Atlas  
Imaging Processing  
Lunar Photography  
Binocular and Small Telescope Training  
Moon, Stars, Double Stars, Nebula, Galaxies,  
and Star Clusters
- Presentations & Activities:** Star Systems  
Exosolar Planets  
Spitzer IR Telescope Mission  
Advanced Star Atlas  
3D View of Local Stars
- Field Trip:** Cornell Astronomy Department
- Final Project:** Star System Project