

**Link Summer Science Explorations 2012
at the
Kopernik Observatory & Science Center**

**Link 2 Residential Space Science
The Search for Life**

**COURSE OUTLINE
Tentative**

July 29 - August 4, 2012: Searching for Life in the Solar System

Labs:

Finding Ancient Bacteria on Mars (at BU)
Fossil Imaging and Casting
Fossils with Video Microscopes
Basic Observational Astronomy Using Kopernik Telescopes
Photographing the Constellations (digital and/or film)
Basic Darkroom Techniques

Lectures & Presentations

The Search For Life In the Solar System
Are the Icy Moons of Saturn Candidates?
A Robotic Spacecraft To Explore the Outer Planets
How Does Life Get started
Fossils and Early Life (at BU)
Cassini Mission Update

Final Project: A Robotic Mission the Outer Planets, Geologic Time Scale, Astrobiology