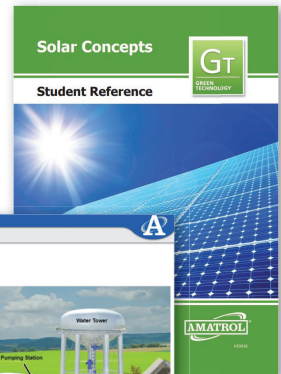
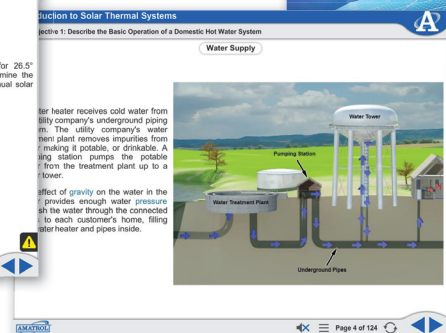
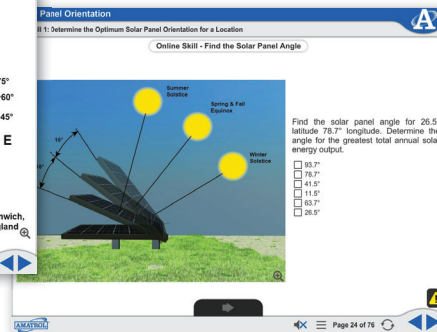
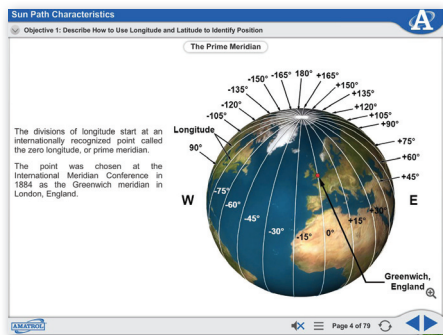


SOLAR TECHNOLOGY™



Student Reference Guide

Interactive Multimedia Curriculum

Learning Topics:

- Solar Energy Systems
- AC & DC Photovoltaic Systems
- Solar Industry
- Passive & Active Water Heating
- Space Heating & Cooling
- Solar Irradiance
- Peak Sun
- Global Positioning
- Solar Time
- Sun Path
- Array Orientation
- Insolation Data

Solar energy is being used in a broad range of applications across industry and residences alike. From heating water for home use to creating utility scale electricity – solar energy application is growing. Understanding the basics of how we can harness solar energy is essential for technicians, engineers, installers, designers, builders, and others who want to apply solar technology either professionally or personally.

Amatrol's Solar Concepts Learning System (950-SC1) introduces learners to a broad range of basic concepts in solar energy and technology. Photovoltaic and thermal solar systems are introduced to students. They learn how to translate location, sun, and technology into practical applications. The Solar Concepts Learning System acts as a foundation for students in solar technology. Solar Concepts includes student curriculum in a highly-interactive, multimedia format.

Technical Data

Complete technical specifications available upon request.

**Interactive PC-based Multimedia
Multimedia Curriculum (M20016)
Instructor's Guide (C20016)
Student Reference Guide (H20016)**

Additional Requirements:

Computer: See <http://www.amatrol.com/support/computer-requirements>

Recommended Option:

95-SIP Solar Instruments Package

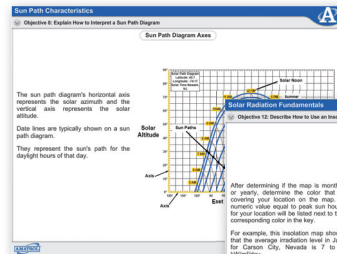
Interactive, Engaging Multimedia

Amatrol's interactive multimedia provides an engaging, stimulating experience for learners. The Solar Concepts Learning System includes interactive computer-based instruction with both theory and hands-on tutorials consisting of text, digital video, voice, online self-review tests, interactive simulations, color diagrams, and color photos. Amatrol's strong interactive multimedia includes visual, auditory, and text based learning styles to reinforce each other in well-organized learning segments.



Interactive Multimedia Curriculum

Using Solar Technology to Capture Solar Energy – Location Makes a Difference!



Interactive
Multimedia
Curriculum

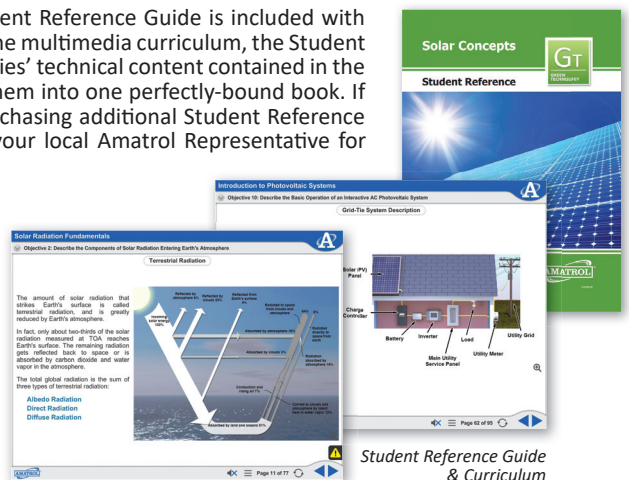
Siting a solar array or understanding how much energy you can capture from an array in a specific location requires a strong understanding of all of the variables therein, which is provided by Amatrol's Solar Concepts Learning System. The type of application also plays a strong role. With this system, learners study how to site an array with optimum orientation as well as determine the insolation, which varies significantly from place to place.

Optional Solar Instruments Package

The Solar Concepts Learning System teaches learners to use a variety of instruments required to apply solar technology. These virtually developed skills can be reinforced with hands-on application through the optional Solar Instruments Package (95-SIP). The package contains a pyranometer, global positioning system (GPS), inclinometer and compass. Learners will study how to translate their virtual skills to the actual instruments and apply them to solar technology systems. All of these are required to properly orient arrays.

Student Reference Guide

A sample copy of this course's Student Reference Guide is included with the learning system. Sourced from the multimedia curriculum, the Student Reference Guide takes the entire series' technical content contained in the learning objectives and combines them into one perfectly-bound book. If you would like to inquire about purchasing additional Student Reference Guides for your program, contact your local Amatrol Representative for more information.



Student Reference Guide
& Curriculum

