

Surveying 1 Learning System

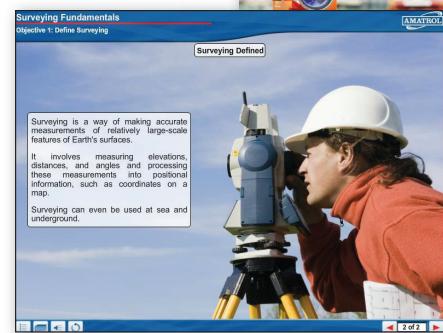
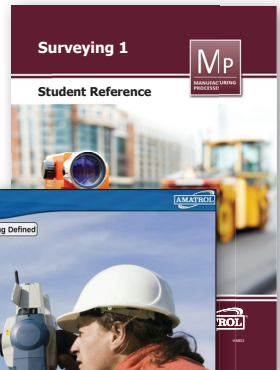
96-SV1

MP

MANUFACTURING
PROCESSES



96-SV1



Interactive Multimedia Curriculum and
Student Reference Guide

Learning Topics:

- Level-Transit Operation
- Level-Transit Application Techniques
- Basic Level-Transit Applications
- Tape Measure
- Surveying Process
- Trigonometric Survey Applications
- Mapping
- Topographical Maps
- Plats
- Global Positioning Systems (GPS)
- GPS in Surveying

Amatrol's Surveying 1 Learning System (96-SV1) covers the basic principles of surveying, surveying equipment, reading and interpreting maps, and global positioning systems. Surveying involves taking measurements of land and its features and then processing this information into usable data. Surveying provides essential information used by construction professionals, civil engineers, and more!

The Surveying 1 Learning System includes a level-transit kit, global positioning system, surveying flags, multimedia curriculum, an instructor's guide, an installation guide, and a student reference guide. This equipment and curriculum will be utilized to cover vital topics like level-transit operation, trigonometric survey applications, topographical maps, global positioning system applications, and more! Surveying 1 is just one of many products within Amatrol's Project Based Learning program. The Project Based Learning program was specifically designed to teach high school students teamwork, STEM, and advanced manufacturing skills.



Technical Data

Complete technical specifications available upon request.

Level-Transit Rod Kit

- Level-Transit with Case
- Tripod
- Level-Rod

Floor Protection Cup

Global Positioning System

Flags, 30-in. tall (100)

Tape, 200-ft.

Multimedia Curriculum (MB803)

Instructor's Guide (CB803)

Installation Guide (DB803)

Student Reference Guide (HB803)

Additional Requirements:

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

Use Real-World Surveying Equipment to Measure Differences in Elevation

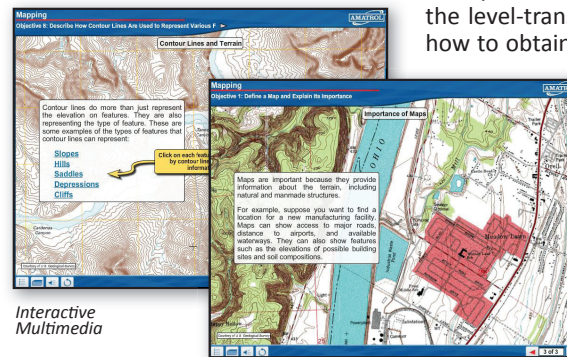
The 96-SV1 includes a variety of real-world surveying equipment like a global positioning system (GPS), level-transit, rod kit, tripod, and level-rod. Learners will use these components to practice skills like using a level-transit to run a straight line and measure differences in elevation, using a level-transit and level-rod to lay out horizontal and vertical angles, and using a GPS to perform and verify a survey. Related skills that learners will practice include using longitude and latitude coordinates to find a location, identifying symbols on a topographical map, and reading a plat.



Level-Transit

Learn How to Perform a Boundary Survey with Stunning Multimedia Curriculum

Surveying 1 covers the basic surveying principles and equipment and how they are used to perform surveys and read maps, as well as global positioning system applications. More detailed examples of learning topics include: how to operate the level-transit; how to perform a boundary survey; how to obtain a plat; and how to use GPS to perform



Interactive Multimedia

or verify surveys. This course is presented in a stunning interactive multimedia format. Surveying 1 provides comprehensive surveying knowledge and enriches it with videos, interactive quizzes and exercises, 3D graphics, and voiceovers of text.

Amatrol's Project Based Learning: Building Problem-Solving, Teamwork, and STEM Skills

Surveying 1 is only one learning system within Amatrol's expansive Project Based Learning program. Project Based Learning offers real-world industrial concepts and industry-applicable hands-on skills for high school students. Designed to teach valuable problem-solving, teamwork, and STEM skills and provide a strong base to build toward advanced manufacturing careers, Project Based Learning features systems in areas like electrical, electronics, fluid power, thermal, and more!

Student Reference Guide

A sample copy of the Surveying 1 Student Reference Guide is also included with the system for your evaluation. Sourced from the system's curriculum, the Student Reference Guide takes the entire series' technical content contained in the learning objectives and combines them into one perfectly-bound book. Student Reference Guides supplement this course by providing a condensed, inexpensive reference tool that learners will find invaluable once they finish their training making it the perfect course takeaway.

