Science is one of the most important aspects of the lawn and landscape industry. Understanding the trees, plants, shrubs and soil that surround people and properties requires a knowledge of science from landscape professionals.

While some work by landscape professionals is done by hand, technology plays a critical role in landscape design, installation and management. Landscape professionals utilize cutting-edge tools, equipment and computer software regularly in their work.

Landscape professionals combine science, technology and art to design, develop and build landscapes. Landscape designers and architects bring outdoor spaces to life for families, businesses and communities, keeping form and function in mind.

Many landscape industry career pathways require strong mathematical skills. Landscape professionals are responsible for calculating material costs of the job and creating estimates for labor and equipment. Those who work in the field must be able to follow plan measurements to ensure projects run smoothly.

**DISCOVER STEM CAREERS IN THE LANDSCAPE INDUSTRY**

Did you know there are many STEM-focused career pathways in the lawn and landscape industry? Whether you have a passion for science, technology, engineering or math, you can do what you love – and pursue a rewarding, lifelong STEM career as a landscape professional.

**SCIENCE**

**Lawn Care Technician**
Diagnoses and treats problems in lawns through inspection and analysis.

**Horticulturist**
Cultivates and tends to plants in educational, research, corporate and commercial settings.

**Technology**

While some work by landscape professionals is done by hand, technology plays a critical role in landscape design, installation and management. Landscape professionals utilize cutting-edge tools, equipment and computer software regularly in their work.

**Landscape Manager**
Utilizes cutting-edge technology, like robotic mowers or drones, to help landscapes flourish.

**Irrigation Auditor**
Works with programmable smart irrigation systems to conserve water.

**Engineering**

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**Architect**
Plans and designs attractive and functional landscapes using computer-aided programs.

**Green Roof Designer**
Determines slope of roof and loading capacity to design and install green roofs.

**Math**

Many landscape industry career pathways require strong mathematical skills. Landscape professionals are responsible for calculating material costs of the job and creating estimates for labor and equipment. Those who work in the field must be able to follow plan measurements to ensure projects run smoothly.

**Estimator**
Calculates final material and job costs to present to the client.

**Accountant**
Tracks and communicates the financial position of the business.

For more information, visit LandscapeIndustryCareers.org