

PLANT AND SOIL SCIENCE 1

Course Description

Students will develop knowledge and skills in a wide range of scientific principles, such as genetics, disease, pests, and management practices. The scientific processes of observation, measurement, hypothesizing, data gathering, interpretation, analysis, and application are stressed. Career opportunities and educational preparation are examined. Learning activities are varied, with classroom, laboratory, and field experiences emphasized.

Standard 1

Explain the role of FFA in agriculture education.

Standard 2

Explain the role of supervised agricultural experience (SAE) programs in agricultural education.

Standard 3

Explain the history, importance, and scope of plant science.

Standard 4

Explain soil science concepts.

Standard 5

Describe plant anatomy and physiology concepts.

Standard 6

Explain principles of horticulture.

