



North Polk Community Schools Pacing & Course Description Guide



Grade Level: 10-12

Content: Horticulture

Year: 2022-2023

Course Description/Rationale

Garden economics is discussed and budgets prepared along with plant I.D., seedling care, and greenhouse management. Budding, grafting, cane production, rootstock planting, coniferous plantings on the school nature center to enhance the outdoor lab will be conducted. Propagation techniques, transplanting fertilizing, and potting will be practiced. Seed production and garden economics will be conducted. Memorial planters and greenhouse management will be rotated among class members. (1 HS credit)

Name of Unit	Time Frame	Essential Learning Target	Standard(s)
Worlds of Opportunity	1 week	ELT1: Research plant industries and related careers. ELT2: Create an ongoing course project researching physical attributes and growth requirements for several species of plants.	- CRP.10.0 1: Identify career opportunities within a career cluster that match personal interests, talents, goals and preferences. - AG-PL 1.3: Determine the influence of environmental factors on plants.
Soilless Systems	3 weeks		

Anatomy and Physiology	7 weeks		
The Growing Environment	5 weeks		
Crop Production and Marketing	4 weeks		