

Goodheart-Willcox Publisher
Correlation of Horticulture Today ©2021
to North Carolina Department of Education
Course: NCCTE.AP41 Horticulture I (Grades 9–12).



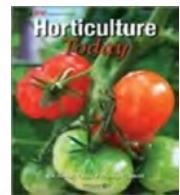
Standards	Correlating Text Pages
NCCTE.AP41 – Horticulture I	
NCCTE.AP41.01.00-Examine leadership opportunities related to the horticulture industry.	
NCCTE.AP41.01.01	Discuss the organization available for students in horticulture.
NCCTE.AP41.01.02	Demonstrate parliamentary procedures and public speaking used in horticulture business meetings.
NCCTE.AP41.02.00-Examine careers related to horticulture.	
NCCTE.AP41.02.01	Discuss careers and skills necessary for employment in the horticulture industry.
NCCTE.AP41.02.02	Implement an SAE.
NCCTE.AP41.03.00-Summarize plant anatomy.	
NCCTE.AP41.03.01	Discuss biological terms used to describe plants.
NCCTE.AP41.03.02	Discuss the anatomy and functions of plants.
NCCTE.AP41.03.03	Discuss floriculture and landscape plants.
NCCTE.AP41.04.00-Examine factors relating to plant growth and development.	
NCCTE.AP41.04.01	Explain the growth process of plants.
NCCTE.AP41.04.02	Use sexual and asexual methods of propagation.
NCCTE.AP41.05.00-Explain properties of soils.	
NCCTE.AP41.05.01	Discuss horticultural soils.
NCCTE.AP41.05.02	Discuss the soil profile and soil sampling for surface and subsurface layers.
NCCTE.AP41.06.00-Explain the role of nutrients and fertilizers.	



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Standards		Correlating Text Pages
NCCTE.AP41.06.01	Discuss macro and micro nutrients and the role they play in plant deficiencies.	312-321
NCCTE.AP41.06.02	Discuss the advantages and disadvantages of various fertilizers.	312-321, 483-485, 577
NCCTE.AP41.07.00-Apply procedures to plant a garden.		
NCCTE.AP41.07.01	Plan a garden.	294-295, 651-652, 725-727
NCCTE.AP41.07.02	Establish a garden.	294-295, 651-652, 725-727
NCCTE.AP41.08.00-Compare distinguishing characteristics of pests.		
NCCTE.AP41.08.01	Discuss the anatomy and life cycle of pests.	780-784, 816-818
NCCTE.AP41.08.02	Discuss diseases and viruses.	770, 832-852
NCCTE.AP41.09.00-Explain Integrated Pest Management and pesticides.		
NCCTE.AP41.09.01	Discuss integrated pest management strategies.	106, 780-797, 843-844
NCCTE.AP41.09.02	Discuss key signal words and safety precautions on pesticide labels.	883-886