North Carolina CTE

Horticulture I (2026)

Apply leadership and durable employability skills. 1.00	1 **Explain FFA opportunities available to students.** 1.01
	2 **Implement durable employability skills.** 1.02
	3 **Execute proper meeting management.** 1.03
Apply work-based and experiential learning in horticulture. 2.00	1 **Understand careers in the horticulture industry.** 2.01
	2 **Implement a Supervised Agricultural Experience (SAE).** 2.02
Understand plant biology and growth factors. 3.00	1 **Explain plant parts and their functions.** 3.01
	2 **Explain factors that influence plant growth and development.** 3.02
Apply knowledge of environmental conditions for plant growth. 4.00	1 **Apply the process to identify environmental conditions needed for plant growth.** 4.01
	2 **Apply the process to identify optimum soil and media for plant growth.** 4.02
	3 **Apply the process to identify essential nutrients needed for plant growth.** 4.03
	4 **Apply the process to identify integrated pest management practices.** 4.04
Apply knowledge of common plants grown in North Carolina. 5.00	1 **Understand plant taxonomy.** 5.01
	2 **Apply the process to identify common plants grown in North Carolina using plant identification practices.** 5.02
Apply common plant propagation techniques. 6.00	1 **Execute sexual plant propagation methods.** 6.01
	2 **Execute asexual plant propagation methods.** 6.02
Apply plant production in horticulture. 7.00	1 **Compare garden, greenhouse, and nursery production practices.** 7.01
	2 **Execute plant production practices.** 7.02