

# Curriculum Map

Unit	Title	Details
1	Introduction to the Course and the Game 1.1 - 1.11	Introduction to the sport of golf, Introduction to the golf course, Golf course design applied, Mapping our golf courses, Golf course inputs, The role of a golf course in a community, and Natural Resources of Golf.  GAP Introduction Quiz Golf Course Design Quiz USGA Green Quiz Unit 1 Project: Profile of a Hole
2	Soil Science 2.1 - 2.20	Soil properties, Soil conservation, Soil physics, Soil chemistry, Nutrient cycling, Soil Testing, Soil Testing Reports, History of putting greens, Basics a USGA green, Building a USGA green, Topdressing, and Bunker management.  Intro to Soils Quiz Nutrient Cycling Quiz Essential Nutrients Test Unit 2 Project: Soil Sample, Test, and Fertility Plan
3	Plant Science 3.1 - 3.22	Plant life cycles, Plant parts and function, Basics of plant physiology, Plant reproduction, Plant establishment, Plants in ecosystems, Native plants primer, Introduction to turfgrass, Cool vs Warm season turf, Warm season turf focus, Turf diseases primer, Turfgrass establishment, Strategies for maintaining turfgrass.  Turfgrass Physiology Quiz Turfgrass Selection Quiz Turfgrass ID Test Unit 3 Project Pt. 1: Short Game Area Improvement Plan Unit 3 Project Pt. 2: Organic Matter and Surface Performance
<b>Break</b>		Project: Observational study proposal, poster, and presentation
4	Water Management & Conservation 4.1 - 4.18	Basics of water chemistry, Water movement, and Plant water requirements through calculation of evaporation and transpiration. Elevated discussions on the Application of water, Science behind wetting agents, Treatment of water, and Calculating water requirements.  Water Cycle Quiz Water Management Quiz Unit 4 Project Pt. 1: Water Test Unit 4 Project Pt. 2: Irrigation Audit
5	Integrated Pest Management 5.1 - 5.12	Introduction to turf pests, weeds, and diseases. Discussions on the pillars of integrated pest management and treatment of turf for care and prevention of damage from pests.  Turfgrass Weeds Quiz Turfgrass Pests Quiz Turfgrass Diseases Quiz Unit 5 Project: Site-Specific IPM Plan
6	Professional Skills 6.1 - 6.7	Basics of brand establishment, communication, and personnel management in the turfgrass industry. Building relationships through mentorship and teamwork, internet-based communication, and time management.  Unit 6 Project: Interview Portfolio