

<p style="text-align: center;">Turf Grass Management TEKS/LINKS – Student Objectives One-Half Credit</p>	<p style="text-align: center;">Suggested Time Ranges</p>
<p>First Six Weeks</p>	
<p>Orientation and Portfolio</p>	<p>3 days</p>
<p>Professional Standards/Employability Skills TGM 1(A) The student will identify career development and entrepreneurship opportunities in the field of turf grass management. TGM 1(B) The student will apply competencies related to resources, information, interpersonal skills, problem solving, critical thinking, and systems of operation in turf grass management. TGM 1(C) The student will examine licensing, certification, and legal requirements to maintain compliance with industry requirements. TGM 1(D) The student will demonstrate knowledge of personal and occupational health and safety practices in the industry. TGM 1(D) The student will identify employers’ expectations and appropriate work habits. TGM 1(E) The student will demonstrate characteristics of good citizenship, such as advocacy, stewardship, and community leadership.</p>	<p>5 days</p>
<p>Supervised Agricultural Experience (SAE) TGM 2(A) The student will plan, propose, conduct, document, and evaluate a supervised agriculture experience program as an experiential learning activity. TGM 2(B) The student will apply proper record-keeping skills as they relate to the supervised agriculture experience. TGM 2(C) The student will participate in youth leadership opportunities to create a well-rounded experience program. TGM 2(D) The student will produce and participate in a local program of activities using a strategic planning process.</p>	<p>10 days</p>
<p>Benefits of Turf Grass TGM 3(A) The student will assess sites for environmental factors that impact turf grass establishment and management such as soil type, soil pH, and elevation differences. TGM 3(B) The student will develop a site assessment checklist. TGM 3(C) The student will develop a site preparation plan.</p>	<p>10 days</p>
<p>Second Six Weeks</p>	
<p>Turf Grass Establishment TGM 4(A) The student will identify turf grass varieties and cultivars that fulfill site requirements. TGM 4(B) The student will identify pests and pathogens of turf grasses. TGM 4(C) The student will identify common weeds found in turf grasses.</p>	<p>20 days</p>

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<p>TGM 4(D) The student will determine the importance of site grading for water movement. TGM 4(E) The student will determine the importance of soil compaction on turf grass establishment. TGM 4(F) The student will reduce impact of compaction using aeration methods. TGM 4(G) The student will compare establishment procedures such as seeding, sodding, sprigging, and hydromulching. TGM 4(H) The student will explain the importance of turf grass installation timing.</p>	
<p>Turf Grass Maintenance TGM 5(A) The student will explain and demonstrate mowing heights. TGM 5(B) The student will explain the principle of mowing frequency. TGM 5(C) The student will compare residential, commercial, and athletic turf maintenance needs. TGM 5(D) The student will determine turf grass irrigation requirements. TGM 5(E) The student will analyze and address thatch accumulation in turf grass. TGM 5(F) The student will analyze nutritional needs of turf grass. TGM 5(G) The student will develop fertilization plans that address turf grass needs and environmental concerns. TGM 5(H) The student will examine Integrated Pest Management in assessing an insect, pathogen, or weed problem. TGM 5(I) The student will use turf grass pesticide application techniques and equipment properly. TGM 5(J) The student will explain turf grass pesticide labeling and safety data sheets.</p>	<p>5 days</p>
<p>Third Six Weeks</p>	
<p>Turf Grass Maintenance continue TGM 5(A) The student will explain and demonstrate mowing heights. TGM 5(B) The student will explain the principle of mowing frequency. TGM 5(C) The student will compare residential, commercial, and athletic turf maintenance needs. TGM 5(D) The student will determine turf grass irrigation requirements. TGM 5(E) The student will analyze and address thatch accumulation in turf grass. TGM 5(F) The student will analyze nutritional needs of turf grass. TGM 5(G) The student will develop fertilization plans that address turf grass needs and environmental concerns. TGM 5(H) The student will examine Integrated Pest Management in</p>	<p>15 days</p>

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<p>assessing an insect, pathogen, or weed problem. TGM 5(I) The student will use turf grass pesticide application techniques and equipment properly. TGM 5(J) The student will explain turf grass pesticide labeling and safety data sheets.</p>	
<p>Turf Grass Business Management TGM 6(A) The student will assess the needs of prospective clients. TGM 6(B) The student will analyze material, labor, and business costs related to turf grass sites.</p>	<p style="text-align: center;">10 days</p>