Sector: Production and Retail Sales:

Sector - Outdoor Recreation:

Sector - Land Care:

Summary of Main Ideas
Sector - Trees:

Sector - Outdoor Recreation:

Sector - Science and Education:
Benefits of Professional Involvement:

Professional Organizations within Landscape Industry:
Entry-level positions (high school diploma)

Sector: Production and Retail Sales

Garden center employee- order, receive, merchandise nursery materials and plant related products. Provide customer service and use salesmanship skills to complete transactions. Propagate, grow, market and sell nursery, perennial, and bedding plant stock.

Sector: Outdoor Recreation

Golf course employee- daily tasks that keep the course in playable condition including mowing, bunker repair and upkeep, trimming/edging, spraying, fertilizing, aerating, changing pin placement, moisture management, pest and disease scouting.

Sector: Land care

Landscape maintenance, planting, pruning, fertilizing, mulching, deadheading landscapes for commercial and residential properties. May also include snow removal, plant protection (insects & disease).

Landscape gardener – Same as land care. See above.
Two or four-year technical school or college

Sector: Trees-Arborists

Arborist - Tree maintenance foreman ensures proper tree health by safely trimming and/or removing trees. Involves the identification of trees, the diagnosis and evaluation of overall tree health for individuals, parks, and golf courses. Prescribing and applying pest controls, prescribing and applying fertilizers as needed.

Sector: Outdoor Recreation

Golf course superintendent- responsible for the supervision and direction of daily activities involved in keeping the golf course playable. Involves ordering products, managing personnel and budget, communicating to members/golfers, directing assistant superintendents

Assistant golf course superintendent – reports to superintendent and is responsible for directing the grounds crew in completing daily tasks needed to keep the golf course playable. Schedules and manages daily work. May serve as spray technician or irrigation technician capacities.

Golf course grounds crew employee – Completes daily tasks that keep the golf course playable. Mowing greens, tees, rough, and surrounds. Maintaining bunkers, topdressing, aerifying, overseeding, sodding are other tasks completed by grounds crew employees.

Irrigation technician- responsible for irrigation control and scheduling. Also installs, maintains, and repairs irrigation issues.
<table>
<thead>
<tr>
<th>Position</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spray technician</td>
<td>Responsible for making nutrient and disease spray applications as prescribed by the superintendent.</td>
</tr>
<tr>
<td>Horticulturist</td>
<td>Responsible for plantings on the golf course that are not turf grass. Seasonal planting, pruning, maintenance, of landscape plantings around the clubhouse, tee markers and the golf course itself.</td>
</tr>
<tr>
<td>Parks and recreation manager</td>
<td>Manages crews that oversee athletic field maintenance and landscape plantings. Scheduling fields for athletic tournaments, communicating and coordinating staff for parks and recreational activities.</td>
</tr>
<tr>
<td>Head groundskeeper</td>
<td>Same as a golf course superintendent except for a ball field. Includes professional and semi-professional sports teams.</td>
</tr>
<tr>
<td>Director of grounds</td>
<td>Oversees all outdoor aspects of a property. Construction projects, pavement maintenance, landscape and turf maintenance typically at a larger institution such as a college campus, corporate campus, or medical campus.</td>
</tr>
</tbody>
</table>


**Sector: Science and Education**

<table>
<thead>
<tr>
<th>Role</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agriculture education teacher at secondary level</td>
<td>Teaches various classes in the Plant Systems field including those pertaining to landscape management.</td>
</tr>
<tr>
<td>Horticulture teacher at post-secondary level</td>
<td>Educates college students on various aspects of the horticulture and landscaping industries.</td>
</tr>
<tr>
<td>Horticulture extension specialist</td>
<td>Responsible for statewide extension and research in horticulture including landscape management, plant selection and identification and landscape design.</td>
</tr>
<tr>
<td>Plant breeder</td>
<td>Conducts tests on various plants, applying biotechnology and molecular breeding techniques to improve the quality of plants.</td>
</tr>
<tr>
<td>Research specialist</td>
<td>Conducts various research tasks including conducting surveys, analyzing results, assisting scientists, collecting and compiling research data, documenting results.</td>
</tr>
</tbody>
</table>
### Sector: Production and Retail Sales

Production nursery manager – oversees production of plant material. Plant propagation, ordering supplies, keeping detailed records, monitoring water, fertility, growth regulator and pruning requirements to produce a salable crop for retail or wholesale sales.

Retail Nursery – sells plants (annual, perennial, trees, shrubs) and plant related items to the general public. Often the gardeners first source of information for plant growth and health. May assist in design of plantings (container, home landscapes).

### Sector: Land care

Lawn care technician – mows, trims, fertilizes, and sprays

Irrigation technician – repairs, maintains, winterizes irrigation systems for residential and commercial customers. Troubleshoots, consults, and communicates with clients.

Landscape contractor – installs landscapes as designed. Builds walls, patios, walks, drainage systems as well as installs plants, exterior lighting, and irrigation.
Landscape architect – licensed, designs landscape systems for larger sites including municipal parks, medical, collegiate, and corporate campuses. Obtains an MLA degree.

Landscape designer - unlicensed, designs landscapes for residential and smaller commercial properties. Creative, collaborative, effective communicators, work closely with clients to solve needs and wants of the landscape.
A Career in Landscaping Could Be for You

Complete the questions below while watching “A Career in Landscaping Could Be for You.”

1. What is the average starting salary for a landscape profession?

2. Landcare is more than mowing grass; it’s _________________________________ on a _________________________________ scale.

3. What are at least 2 parts of landscaping that many people don’t realize are included in the industry?

4. A career in nature is ______________ to lead a ________________ and ________________ life.

5. What are two facts you learned from the video that you didn’t know about a career in landscaping?
A Career in Landscaping Could Be for You

Complete the questions below while watching “A Career in Landscaping Could Be for You.”

1. What is the average starting salary for a landscape profession?
   
   $46,000

2. Landcare is more than mowing grass; it’s impacting people on a national scale.

3. What are at least 2 parts of landscaping that many people don’t realize are included in the industry?
   
   Parking log/paving; construction; high end building

4. A career in nature is proven to lead a healthier and low stress life.

5. What are two facts you learned from the video that you didn’t know about a career in landscaping?
   
   Answers will vary
### Professional Organizations within Landscape Industry

<table>
<thead>
<tr>
<th>Organization Name:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>National Association of Landscape Professionals (NALP)</td>
<td><a href="https://www.landscapeprofessionals.org/">https://www.landscapeprofessionals.org/</a></td>
</tr>
<tr>
<td>Professional Grounds Management Society (PGMS)</td>
<td><a href="http://pgms.org/">http://pgms.org/</a></td>
</tr>
<tr>
<td>Golf Course Superintendents Association of America (GCSAA)</td>
<td><a href="https://www.gcsaa.org">https://www.gcsaa.org</a></td>
</tr>
<tr>
<td>American Society of Landscape Architects (ASLA)</td>
<td><a href="https://www.asla.org">https://www.asla.org</a></td>
</tr>
<tr>
<td>International Society of Arboriculture</td>
<td><a href="http://www.isa-arbor.com">www.isa-arbor.com</a></td>
</tr>
</tbody>
</table>
Career Research Videos Worksheet

Research, in partners, a specific career area of landscape management through online sources and find a video that teaches others about this specific career area.

Next, write up a minimum of four- but no more than an eight-question activity sheet that aligns with the video found. Create a typed activity sheet, including the link to the video. Print an activity sheet for each of students in the class. Show the video to the class and have other students complete the activity sheet. At conclusion of the video, partners will lead a class discussion on what was seen in video and go over the correct answers to the activity sheet.

Use the following major categories.

- Baseball stadiums
- Education
- Golf course
- Hotels/resorts
- Parks
- Theme parks (such as Disney)

List of potential specific careers within these areas

- Agriculture education teacher at secondary level
- Arborist
- Assistant golf course superintendent
- Director of grounds
- Golf course superintendent
- Golf course grounds crew employee
- Head groundskeeper
- Horticulturist
- Horticulture teacher at post-secondary levels
- Horticulture extension specialist
- Irrigation technician
- Parks and recreation manager
- Plant breeder
- Research specialist
- Lawn care technician
- Landscape contractor
- Landscape architect
- Landscape designer
- Landscape maintenance
- Landscape gardener
- Spray technician
- Tree maintenance foreman
### Video Activity Sheet

#### Scoring Guide

<table>
<thead>
<tr>
<th>Points</th>
<th>Criteria</th>
</tr>
</thead>
<tbody>
<tr>
<td>25</td>
<td>Worksheet contained well-rounded, well-worded questions and met the criteria for minimum and maximum.</td>
</tr>
<tr>
<td>20</td>
<td>Worksheet contained questions, written simply but could have added more depth. Met the minimum and maximum amount criteria.</td>
</tr>
<tr>
<td>15</td>
<td>Worksheet contained questions that lacked depth and needed further explanation for those completing. May or may not have met the minimum and maximum criteria.</td>
</tr>
<tr>
<td>10</td>
<td>Worksheet contained some, but not all of the minimum criteria and lacked depth and understanding of project.</td>
</tr>
<tr>
<td>5</td>
<td>Worksheet contained less than minimum to one questions with no regards to assignment.</td>
</tr>
<tr>
<td>0</td>
<td>No worksheet turned in for this assignment.</td>
</tr>
</tbody>
</table>

**Total: _____/25**

**Comment**
Landscape Management Career Collage

Prepare and orally present career collages over five specific careers in the field of landscape management. Careers may be ones that were covered during class or could be additional examples found through internet research.

Scoring Guide

Did collage include five (5) identifiably different careers through pictures from magazines or internet sources?
__________________/25 (5 points for each career pictured)

Did collage include five (5) brief descriptions of each of the careers?
__________________/25 (5 points for each description)

Did student complete a verbal presentation over their five (5) careers and descriptions and be able to explain their application to landscape management?
__________________/10 (2 points per each career discussed)

Did collage have photos labeled correctly with the specific area of landscape management that the picture represents?
__________________/5 (1 point per each photo labeled correctly)

______________/ 65 Points Available
Careers in the Landscape Industry Evaluation

Multiple Choice:

1. Which qualifies as an entry-level job requiring high school training?
   a. Garden center employee
   b. Landscape architect
   c. Horticulture teacher
   d. Plant breeder

2. Which is not a benefit of belonging to a professional organization?
   a. Possible discounts and benefits
   b. Current and trending information in their field
   c. Opportunities to meet new business contacts
   d. Reduced tuition at universities

Short Answer:

3. What are four possible professional organizations that one could be involved with in landscape management?
   a. ____________________________________________
   b. ____________________________________________
   c. ____________________________________________
   d. ____________________________________________
Careers in the Landscape Industry Evaluation

Multiple Choice:

1. Which qualifies as an entry-level job requiring high school training?
   a. Garden center employee
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   d. Reduced tuition at universities

Short Answer:

3. What are four possible professional organizations that one could be involved with in landscape management?

   Answers should contain four of the following:
   a. National Association of Landscape Professionals (NALP)
   b. Professional Grounds Management Society (PGMS)
   c. Golf Course Superintendents Association of America (GCSAA)
   d. American Society of Landscape Architects (ASLA)
   e. International Society of Arboriculture or American Society of Arborists