BACKGROUND FOR TEACHER

In this lesson, we will define the word *horticulture*, and help students discover all the diverse possibilities that a career in horticulture has to offer. We will also emphasize the importance of this field for feeding the world’s growing population and preserving our planet.

VOCABULARY

- Turfgrass Manager
- Land Steward
- Educator
- Horticultural Therapist
- Floral Designer
- Landscape Architect
- Grower
- Plant Breeder
- Gardener
- Horticultural Researcher
- Arboriculture
- Floriculture
- Olericulture
- Viticulture
- Pomology

COMMON CORE ACADEMIC STANDARDS FOR CAREER EDUCATION AND WORK

Performance Expectations

13.1.3.C Recognize that the roles of individuals at home, in the workplace, and in the community are always changing.

13.1.3.D Identify the range of jobs available in the community.

13.1.5.D Describe the range of career training programs in the community.

13.1.5.E Describe the factors that influence career choices, such as, but not limited to: Geographic location.

13.1.8-11.F Analyze the relationship of school subjects, extracurricular activities, and community experiences to career preparation.
ACTIVITIES

Mock Job Application and Interview
1. Have the students choose a horticultural career from the vocabulary list above or visit https://www.seedyourfuture.org/careers for a list of careers.
2. The students should create a résumé and cover letter as if they were applying for a position in that career.
3. They should start by creating a portfolio of all of their plant-related accomplishments and then add other accomplishments that demonstrate the skills needed for that profession.
4. Pair the students according to their chosen careers.
5. The pairs should each create interview questions related to their careers and take turns reviewing each other’s applications and interviewing one another.

School Recruitment Poster
1. Go to seedyourfuture.org/where-to-study
2. Allow the students to pick a school from this list.
3. The students should create a recruitment poster to convince their peers to attend this school for their plant-based program.
4. Allow time for the students to present their posters to their classmates.

A Day in the Life Comic
1. Have the students each choose a horticultural career from the vocabulary list above or visit https://www.seedyourfuture.org/careers for a list of careers.
2. The students should then draw a comic strip detailing a day in the life of someone with that career.

Careers in Horticulture Board Game
1. Divide the students into small groups.
2. The students should create a playable board game using at least 5 of the careers in horticulture from the vocabulary list above or visit https://www.seedyourfuture.org/careers for a list of careers.
3. Allow time for the students to play each other’s board games and give their peers feedback on how well the careers are represented and the quality of the games.

Plant Power Quiz by Seed Your Future
1. Go to wearebloom.org, and have the students take the Plant Power Quiz.
2. Once they learn their Plant Powers, they should watch videos about them.
3. Then, they should use that information to discover the horticultural careers that are relevant to them.
Job Shadowing Blog Post

1. Help the students find opportunities to shadow someone with a horticultural career in their community or at school.
2. While shadowing, students should interview the person and take notes on how the career fits with their personalities and career goals.
3. The students should then write about the experience in the format of a short blog post to be shared with their peers.

WORKSHEETS

Divisions and Definitions of Horticulture Worksheet

1. Print the worksheet on page 5 and have the students complete it using Internet sources to find the information.

Careers in Horticulture Word Search and Word Scramble

1. Print the worksheets on pages 7 and 9 and have the students complete them to gain familiarity with the many different career possibilities in the field of horticulture.

WEB RESOURCES FOR TEACHERS AND STUDENTS

Seed Your Future
seedyourfuture.org

We Are Bloom
wearebloom.org

Scholastic
scholastic.com/bloom

American Public Gardens Association
publicgardens.org

American Society for Horticultural Science
ashs.org

American Society for Botanic Artists
asba-art.org

Council on Botanical and Horticultural Libraries
cbhl.net
Grow Your Own Career in Horticulture
growcareers.info

Jobs in Horticulture, Inc
hortjobs.com

Sustainable Food Jobs
sustainablefoodjobs.wordpress.com

The Land Lovers
thelandlovers.org/index.asp
Horticulture: Divisions and Definitions

Name: _______________________________ Date: __________________

Define horticulture:

Define the following branches of horticulture:

<table>
<thead>
<tr>
<th>Arboriculture</th>
<th></th>
</tr>
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<tbody>
<tr>
<td>Floriculture</td>
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True or False: Horticulture is a branch of Agriculture.

True or False: Growing cash crops—such as cotton, wheat, soy, and corn—is a part of horticulture.

What are some careers that are in the field of horticulture?

1. 
2. 
3. 
4. 
5.
Define horticulture:
*Horticulture is the branch of agriculture that deals with the art, science, technology and business of growing plants.*

Define the following branches of horticulture:

<table>
<thead>
<tr>
<th>Arboriculture</th>
<th>The area of horticulture that deals with the cultivation, management, and study of individual trees, shrubs, vines, and other perennial woody plants.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Floriculture</td>
<td>The area of horticulture that deals with the cultivation of flowering and ornamental plants.</td>
</tr>
<tr>
<td>Olericulture</td>
<td>The area of horticulture that deals with the science of growing vegetables and non-woody plants for food.</td>
</tr>
<tr>
<td>Viticulture</td>
<td>The area of horticulture that deals with the science, production, and study of grapes.</td>
</tr>
<tr>
<td>Pomology</td>
<td>The area of horticulture that deals with the cultivation, growing, and study of fruit.</td>
</tr>
</tbody>
</table>

**True** or **False**: Horticulture is a branch of Agriculture.

**True or False**: Growing cash crops—such as cotton, wheat, soy, and corn—is a part of horticulture.

What are some careers that are in the field of horticulture? *Answers May Vary*

1. Landscape designer
2. Plant breeder
3. Educator
4. Floral designer
5. Land steward
Careers in Horticulture Word Search

I G J Y I T C T Z B G U F G D Q B R H E R I H L T
P T R P R E C Q H N O K P K Y X Z V H J J O N I S
M V A O R E A E I B J T X V O H X M U I R W E V I
S Y W A U L N T T I M X A U T T M K D T K H D I G
P A M A S N E N A T I O N R N E D W U I R X O U N O
E L B M C K D E A Z H B Z D I N C C J O K U C G L
C G K A R B K S O L A C C H T S U Q E T H S A C O
I J D A P V H U K N P E R S P L T R Q A C C T O H
A P M P I G A G F E Y N I A T Y O A U G O Q O L T
L B G N T Z S O U L E A U E S L D A A O N R L A
I G V S L K R T W I U P R B C P Y Z F P A Q P E P
S O O L D E G B W T N A E K R S A V E O Z N V C T
T A F R S Z Z L L Y L O O R G U L C Q R R T T N
E B Y T B A H U F T V N R O J E C O S P A O B I A
O J E O F U C S H V Y G V M F A B S D C P S O L
H R V V R I R E D E E R B T N A L P R K N I W N P
D V S C R W R F O O D S C I E N T I S T T A W S Z
F D T O N A R B O R I S T J L T X H X B G U L M C
S Y L Y P U E D V A D I E M N J U X S P T D C A O
G S S Z T O P E R X D B S U X K Q H Z Z D O G A C
E T L X P K U O U J F M Z H W E Z Z L T Q I H G V
N I P T R S U F Z V H R H F L J R X A Y O U G X P

Arborist
Botanist
Educator
Floriculturist
Food Scientist
Groundskeeper
Grower
Horticultural Therapist
IPM Specialist
Landscape Architect
Living Collections Manager
Marketing
Plant Breeder
Plant Pathologist
Propagator
Turfgrass Management
Urban Forester
Urban Planner
Careers in Horticulture Word Search

Answer Key

Arborist  Grower  Plant Breeder
Botanist  Horticultural Therapist  Plant Pathologist
Educator  IPM Specialist  Propagator
Floriculturist  Landscape Architect  Turfgrass Management
Food Scientist  Living Collections Manager  Urban Forester
Groundskeeper  Marketing  Urban Planner
Careers in Horticulture Word Scramble

Unscramble the following careers in horticulture.

1. ITRSBROA
2. AUBRN RETFRSOE
3. IUULRTTOFSCRIL
4. TPALN PRORPATAGO
5. RREOGW
6. LTNAP DEBRERE
7. RFTUSASRG TNEGEMNAAM
8. KOURPNEEDSERG
9. MGTEKNRIA
10. UURHLTACRTOLI ERHISTTPA
11. OBITNTAS
12. LIVGIN OICLECLONST AERNGMA
13. BNURA ANNLREP
14. OFOD IISCTNSET
15. PNTLA TPGTOAOSHIL
16. EACANSPLD CREITATHC

Careers in Horticulture 9
## Careers in Horticulture Word Scramble

### Answer Key

<table>
<thead>
<tr>
<th></th>
<th>Word Scramble</th>
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</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>ITRSBROA</td>
<td>Arborist</td>
</tr>
<tr>
<td>2</td>
<td>AUBRN RETFRSOE</td>
<td>Urban Forester</td>
</tr>
<tr>
<td>3</td>
<td>IUULRTTOFSCRIL</td>
<td>Floriculturist</td>
</tr>
<tr>
<td>4</td>
<td>TPALN PRORPATAGO</td>
<td>Plant Propagator</td>
</tr>
<tr>
<td>5</td>
<td>RREOGW</td>
<td>Grower</td>
</tr>
<tr>
<td>6</td>
<td>LTNAP DEBRERE</td>
<td>Plant Breeder</td>
</tr>
<tr>
<td>7</td>
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