

NAME: _____

Aligned to the following standards:
PS.02; PL-A.; PG-J.; CS-M.; AG-PL2; AGPB01.02; CCSS.RI.9-10.3; CCSS.SL.9-10.1A;
CCSS.RST.9-10.4; CCSS.RST.9-10.9; CRP.02; CRP.04; CRP.07; CRP.08

On the Lawn

DIRECTIONS:

Answer the questions below as you watch the video "Lawn Care SAE | Cole Hanson," available at <https://vimeo.com/368997622>.

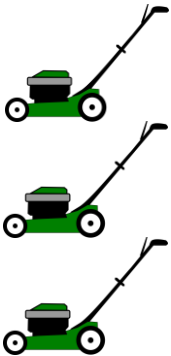
What is Cole's SAE?

When did he start working in the family business?

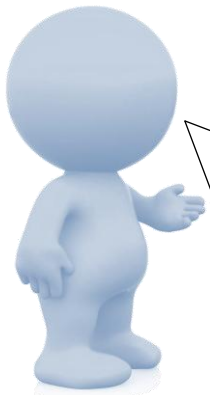
What beginning steps did he take to become involved in the business?



What are his daily tasks?



What advice does he have for students trying to start an SAE?



What is Cole obsessed with?



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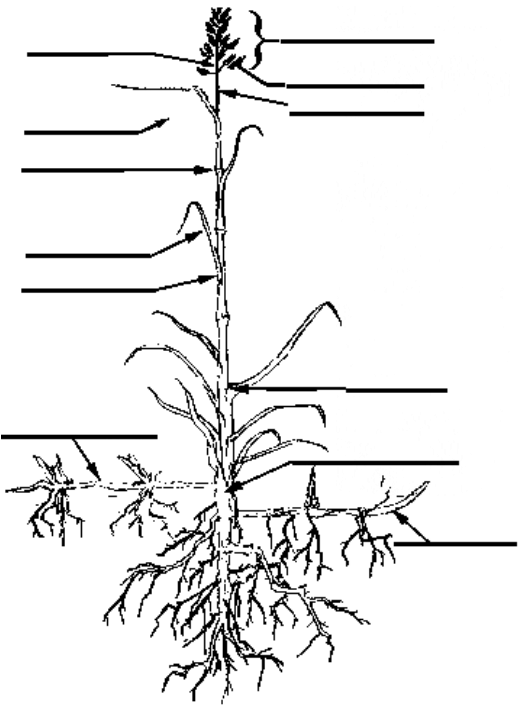
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Grass and Lawn Basics

DIRECTIONS:

Lawn care and landscape management is a booming business, but it helps to have some basic understanding about grass physiology and what grasses grow best in certain climate and conditions. Complete the following activities to learn more!

1. On the diagram below, label the vegetative structures of grass. Then, define each vegetative part. Suggested Resource: Grass Structures, <https://forages.oregonstate.edu/regrowth/how-does-grass-grow/grass-structures>



Vegetative Structure	Definition
Auricles	
Collar region	
Crown	
Culm	
Culm node	
Flag leaf	
Leaf blade	
Leaf sheath	
Ligule	
Meristem	
Peduncle	
Rhizome	
Stolon	
Tiller	

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2. When considering what grasses grow in a specific area, the U.S. is divided into five zones. Using <http://www.lawnplugs.com/info/what-to-plant.html>, answer the following questions.
- a. What zone do you live in? (Circle your zone.)
- Cool/Humid Warm/Humid Warm/Arid Cool/Arid Transition**
- b. Scroll down to the Plant Hardiness Zone Map. What is the temperature range where you live?
- _____ °F to _____ °F
- c. List three varieties of grass that work for your climate.

3. Research the three varieties you identified in Question 2c and complete the chart.
- Suggested Resources:
- Grass Varieties, <https://www.thelawninstitute.org/lawn-care-basics/grass-selection-and-management/>
 - Buffalo Grass, <https://www.lawn-care-academy.com/planting-and-growing-warm-season-grass/>

Grass Variety	Description	Shade Adaptation	Wear Resistance	Water Needs	Mowing Requirements	Disease, Insect and Weed Control