### Tree Pruning Workshop DNR – UW Extension Fall 2023 TREE ANATOMY, PRUNING OBJECTIVES, AND PRUNING TECHNIQUES

Your Presenters

Brooke Stemple

- Is A Certified Arborist RM-8302A
- Is A Tree Risk Assessment Qualified (TRAC)
- Consulting Department Assistant, Wachtle Tree Science, Inc.
- Six years green industry experience

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## Your Presenters Michael Peterson Isa Certified Arborist WI-1283A Client Sevice Arborist, Wachtel Tree Science, Inc. 9 years green industry experience

Class Objectives

What do YOU want to get out of today?

Here's what I hope you get:

Gain knowledge!

- Understand the Why before the What

- This understanding allows you to make educated, efficient decisions in the field

- Pass this knowledge to public

Implement Structural pruning techniques

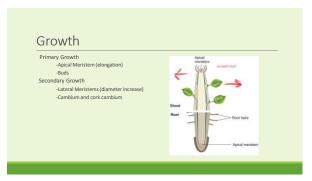
- Proper structural pruning now (with newly planted trees) makes your future work easier

Inspiration to Continue Learning

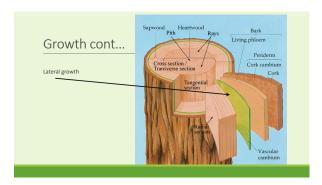
- You can never learn everything – there's always more!

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# Today's Outline 1. Tree Anatomy and Physiology What is going on inside the tree? 2. Pruning Objectives Why are you pruning a tree? 3. Pruning techniques How are you going to prune this tree?



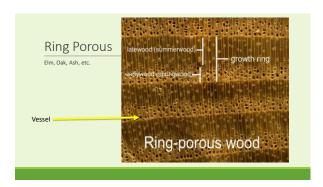
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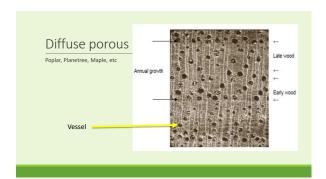




A discussion of Phloem and Xylem



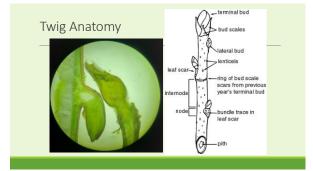


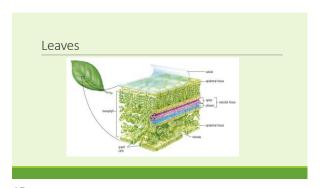


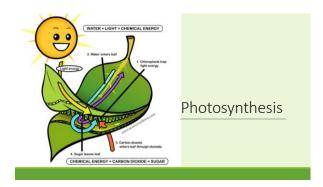


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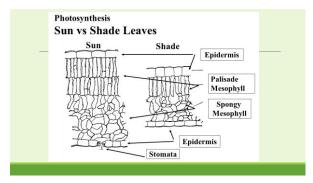


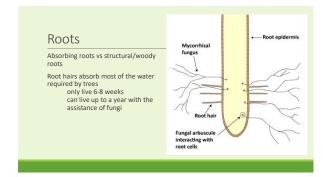




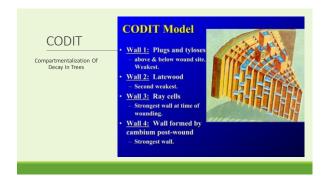


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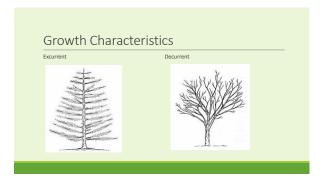




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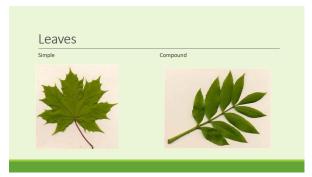








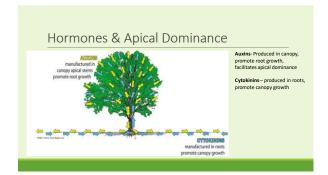
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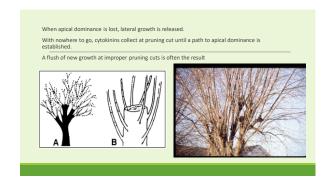




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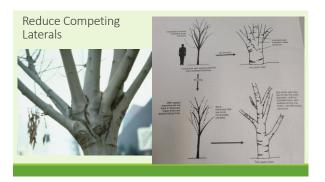


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### Codominant Branches

Aspect ratio - 50% or less branch to parent stem

Avoid included bark at all costs!

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### Recap!

Set the tree up for the future!

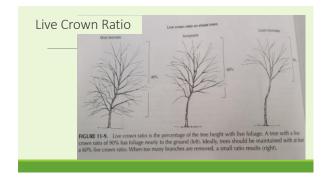
o Promote a strong leader

Remove rubbing branches
 Remove the 4 D's

oKeep your OBJECTIVE in mind

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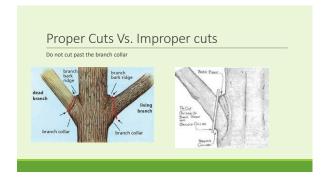


Absolutely! (within reason)

Young trees can handle heading cuts, follow a few guidelines:

Only make heading cuts on YOUNG trees
Only make heading cuts on TEMPORARY branches
RETURN to remove these branches in the near future

Implementing heading cuts allows crews a quick way to prune a lot of young trees. Just make sure that you return to remove them

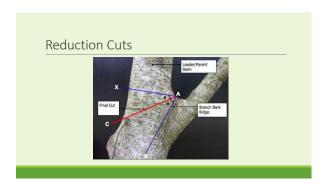


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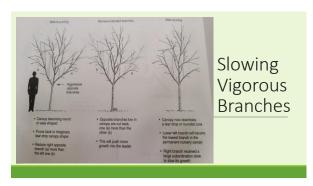
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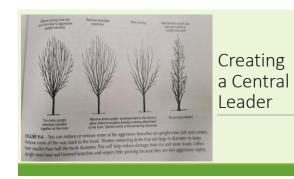




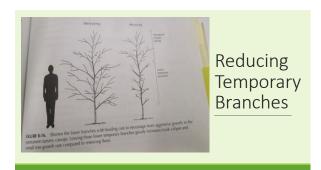
Natural Pruning Techniques

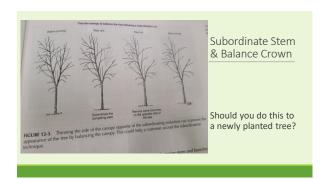
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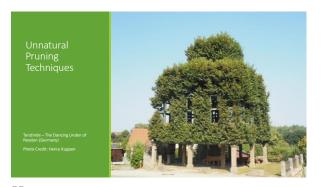


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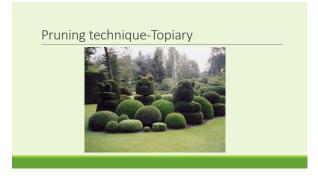








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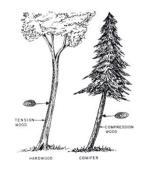
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Response Growth –







