Lesson 18
Close Reading

1st Read – Scratch the Surface
  • get the gist of the text

2nd Read – Discover New Words
  • highlight/underline any unfamiliar words
  • use context clues to determine the meaning of the word
  • write the definition on the text

3rd read – Dig a Little Deeper
  • determine the main idea of each paragraph or section of the text
  • write the main idea on a post-it

4th read – Analyze the Text
  • teacher determines (identify theme, cause and effect, author’s purpose, etc.)
The World of the Vikings

A long, long time ago, the mighty Vikings from the north ruled many lands. Their raids took them south to Africa, east to Russia, and west to North America. The Vikings were most at home on the water. They attacked by sea and controlled the water passages leading into and out of their lands. Their boats, decorated with dragon heads and spines, struck fear in many people.

The Vikings’ long boats were made from trees. So were Viking homes. Logs formed the walls of these sturdy houses. The Vikings lived far from tropical climates, so they relied on wood fires to keep them warm all year round. The roots many Vikings dug up to store as medicines also came from trees. Healers used these roots from one generation to the next.

Is it any wonder, then, that the Vikings believed all of life was supported by a huge tree? Calling it the World Tree, the Vikings pictured it as a giant ash. Ash trees are large, beautiful trees that often have a diamond pattern on their bark. Usually each branch has a matching branch on the other side of the limb. Ash trees are also very leafy.

The Myth of the World Tree

The World Tree was thought to have roots and branches that spread throughout the Earth. The roots were especially important. Vikings believed the tree used its roots to absorb all of the wisdom in the world. The wisdom was kept in a well near the roots. Odin, the main god in Viking myths, drank from this well.

Other roots drew water from a spring where magical creatures worked. Their job was to dissolve the world’s fate in the water. Then the roots could send each person’s fate out into the world.

Other clumps of roots were constantly attacked by a dragon. This dragon hoped to destroy the World Tree. If the dragon succeeded, the Vikings would lose all of their power.

Other Beliefs

The Vikings believed that animals and other plants depended on the World Tree. Many animals ate the tree’s coverings and leaves. A mighty deer, fed by the leaves, was thought to keep the rivers of the world flowing from its antlers. Goats feeding near the tree were said to make a strengthening milk for Odin’s warriors. Other plants needed the tree’s pollen to keep new seeds growing.

Truly, the Vikings did get many things from the mighty trees that grew in their northern homelands. It is easy to see how they came to believe the myth of the World Tree.
Lesson 18 Vocabulary
A Tree is Growing

1. ______ pollen - fine powder made by flowers used to make seeds
2. ______ store - put things away until you need them
3. ______ clumps - small groups of things
4. ______ passages - long, thin tube or hole that air or liquid can flow through
5. ______ absorb - soak up a liquid
6. ______ throughout - all over an area
7. ______ coverings - layers of objects that protect what is underneath
8. ______ spines - long, sharp points on a plant or animal's body
9. ______ tropical - hot and wet weather that is found near the equator
10. ______ dissolve - mix completely with a liquid

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Lesson 18 Vocabulary in Context

- Study each Context Card.
- Make up a new context sentence using two Vocabulary words.

1. pollen
   This bee carries pollen from flower to flower, which helps seeds grow.

2. store
   A baobab tree can store, or keep, lots of water in its trunk.

3. absorb
   A plant's roots absorb water. They soak it up.

4. throughout
   Sap passes throughout a tree. It travels to every part.

5. coverings
   Different kinds of trees have different coverings, or outer layers.

6. clumps
   The flowers on some trees grow in clumps, or bunches.

7. passages
   A leaf has small passages, or tubes, that allow water to spread all over.

8. spines
   Many kinds of cacti are covered in sharp spines.

9. tropical
   Some plants grow in warm, damp, tropical climates near the equator.

10. dissolve
    If you add salt to water, it will dissolve, or mix, with the water.

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Talk About the Writer's Words
Work with a partner. Take turns asking and answering questions about the photos. Use the blue Vocabulary words in your questions and answers.
Words with /k/ and /kw/

Read each sentence. Choose the missing word from the box. Write the word. Then reread the complete sentence.

<table>
<thead>
<tr>
<th>croaking</th>
<th>music</th>
<th>squeal</th>
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<tbody>
<tr>
<td>jacket</td>
<td>quiet</td>
<td>joke</td>
</tr>
<tr>
<td>squirrel</td>
<td>sock</td>
<td>tractor</td>
</tr>
</tbody>
</table>

1. Kim told a silly __________ that made us all giggle.
2. It is cold outside, so wear a warm __________.
3. After everyone went to bed, the house was very __________.
4. My brother’s band plays loud __________.
5. “Here is my shoe, but where is my __________?” Ana asked.
6. We saw a __________ in a tree at the park.
7. Mr. Martin got a new __________ for his farm.
8. The scared little pig let out a loud __________.
9. You can hear frogs __________ down by the pond.
Word Roots

Forest Field Trip

One night, I watched a television program about forests. They provide homes for lots of plants and animals. I decided I wanted to find out more about nature. I called my friend on the telephone. We made plans to go camping in the forest.

The next day, we drove to our campsite in an automobile. We wanted to take pictures. Our camera had a telephoto lens for taking pictures of animals at a distance. We also brought a telescope so we could look at the stars at night.

After the trip, I decided that I wanted to study forests when I grew up. I definitely wanted to learn more them.

<table>
<thead>
<tr>
<th>Word with Word Root</th>
<th>Word Root</th>
<th>Root Meaning</th>
<th>Word Meaning</th>
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<tbody>
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Vocabulary Strategies
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Word Roots

Identify the root and tell its meaning. Use the meaning of the root to figure out the meaning of the word.

1. telephone
   Root:
   Meaning of the root:
   Meaning of the word:

2. telescope
   Root:
   Meaning of the root:
   Meaning of the word:

3. autocorrect
   Root:
   Meaning of the root:
   Meaning of the word:

4. autopilot
   Root:
   Meaning of the root:
   Meaning of the word:

5. automatic
   Root:
   Meaning of the root:
   Meaning of the word:
## Column Chart: Text and Graphic Features

<table>
<thead>
<tr>
<th>Text or Graphic Feature</th>
<th>Page</th>
<th>Purpose</th>
</tr>
</thead>
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**Analyze the Text**  
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A Tree Is Growing

Label a Growing Tree

What did you learn about trees? Use the features in A Tree Is Growing to help you draw and label a growing tree.

Read pages 94–96. Draw and label three different leaves.
Write a caption telling what leaves do for trees.

Read pages 97–99. What is sap? What is special about some kinds of sap? Use the captions to find some of this information.
Read pages 100–101. What are some important things about a tree's roots?

Read pages 102–105. What are some important things about a tree's bark?

Now draw a picture of your own growing tree. Use the information from the text and illustrations to label your tree's parts.
Cumulative Review

Write a word from the box to complete each sentence about one family’s love for the zoo. Then read the complete sentence.

complain  kiss  quality
exchange  monkey  question
instead  pick  surprise

1. I have never heard anyone ______________ about our local zoo.

2. It isn’t a huge zoo, but its ______________ is very good.

3. Our zookeepers have managed to ______________

   animals with zoos in faraway places.

4. My favorite animal is a ______________ from India.

5. He likes to blow you a ______________ when you visit

   his exhibit.

6. My little brother would ______________ the zebra as

   his favorite animal.

7. It’s probably no ______________ that my sister likes

   the koalas best.

8. Our family would choose a visit to the zoo ______________

   of almost any other form of entertainment.

9. We all often ask the ______________, “Can we go to

   the zoo this weekend?”