




	MATH	READING: https://bit.ly/KCMSReading	WORD WORK: https://bit.ly/KCMSWordWork	SCIENCE & SOCIAL STUDIES
Day 11	<p>Count to 100 by ones. Hop on your left foot while you count to 100 by tens.</p> <p>Today's number is 11. Draw 11 smiley faces in a circle or line and as an array in your math journal or on paper. Write the number 11 below each picture. Use the I Can Draw a Teen Number graphic organizer on page 5 to help you. Draw 11 smiley faces on the I Can Draw a Teen Number on Blank Ten Frames handout on page 6.</p> <p>Fluency Game- Cut out the filled ten frames on page 8. Put them in a stack. Take a card and say the number you need to make 10. Repeat until all cards are gone. Store your filled ten frame cards in a sandwich bag.</p>	<p>Optional: Watch module video for Day 11 using https://bit.ly/KModules</p> <p>Listen to the story, Make a Tree Friend (pgs. 10-11)</p> <ul style="list-style-type: none"> • Draw, label, and write: How can you enjoy a tree? • Complete reading response sheet. (pg. 12) 	<p>Optional: Watch word work video for Day 11 using bit.ly/kwordwork</p> <p>Rainbow Write Using Cycle List 18 Write each word first with a pencil. Then trace over each word three times with a colored pencil or marker. Use a different color each time to create a "rainbow". (pg. 14)</p>	<p>Social Studies Topic: Maps to Locate Places A map is a drawing that tells you about a place. Activity: Talk with an adult about <u>where</u> you can find maps, <u>what</u> the maps show, and <u>why</u> we use maps. Answer the following questions: (1) Why do you think we need maps? (2) If you were making a map, what would you draw on it? Enrichment Resource: Reading Fun With Maps https://bit.ly/3akUp03</p>
Day 12	<p>Count to 100 by ones. Clap every time you say a friendly number (10, 20, 30, 40...)</p> <p>Today's number is 12. Draw 12 triangles in a circle or line and as an array in your math journal or on paper. Write the number 12 below each picture. Use the I Can Draw a Teen Number graphic organizer on page 5 to help you. Draw 12 triangles on the I Can Draw a Teen Number on Blank Ten Frames handout on page 6.</p> <p>Play the Fluency Game twice with your ten frame cards.</p>	<p>Optional: Watch module video for Day 12 using https://bit.ly/KModules</p> <p>Listen to the story, Make a Tree Friend (pgs. 10-11)</p> <ul style="list-style-type: none"> • Sketch and/or write a sentence to describe a key detail from the story. • Complete reading response sheet. (pg. 12) 	<p>Optional: Watch word work video for Day 12 using bit.ly/kwordwork</p> <p>Decodable Text: Read the decodable text "Josh's New Home". Highlight or make a list of the high frequency words: the, is, by, see, and. Focus on reading smoothly, with expression, and at just the right speed. (pg. 14)</p>	<p>Social Studies Topic: A View From Above A map shows a representation of the view of a place from high up, as if seen by a bird in flight. Activity: Draw two pictures of a room at home. The first should be a picture of what you see as you first enter the room. The second should be a picture of the room showing what you would see if you looked down from the ceiling. Share your pictures with an adult. How are they the same and different? Which one is most like a map? Enrichment Resource: Me On The Map - Read Aloud https://bit.ly/2wBgyJ3</p>
Day 13	<p>Count to 100 by ones. Do jumping jacks while you count to 100 by tens.</p> <p>Today's number is 13. Draw 13 flowers in a circle or line and as an array in your math journal or on paper. Write the number 13 below each picture. Use the I Can Draw a Teen Number graphic organizer on page 5 to help you. Draw 13 flowers on the I Can Draw a Teen Number on Blank Ten Frames handout on page 6.</p> <p>Play the Fluency Game twice with your ten frame cards.</p>	<p>Optional: Watch module video for Day 13 using https://bit.ly/KModules</p> <p>Listen to the story, Make a Tree Friend (pgs. 10-11)</p> <ul style="list-style-type: none"> • Sketch and/or write a sentence to describe a key detail from the story. • Complete reading response sheet. (pg. 13) 	<p>Optional: Watch word work video for Day 13 using bit.ly/kwordwork</p> <p>Spell the Sounds Using Cycle 18 Words Have a sibling, parent, or friend call out each word to you. Listening carefully to the sounds and spell them one-by-one on a blank sheet of paper. (pg. 13)</p>	<p>Social Studies Topic: Earth as a Globe A map is different from a globe. A map is flat and usually shows more details of a smaller area. A globe is round like a ball and is a miniature model of the entire Earth. Activity: Using something round (a ball, a balloon, an orange, etc.) and imagine that it is a globe. What would be green or brown on your globe? What would be blue? Describe what you would see on your globe to an adult. Enrichment Resource: Know Your Globe https://bit.ly/3aeYT8y</p>

<p>Day 14</p>	<p>Count to 100 by ones. Stomp every time you say a friendly number (10, 20, 30, 40...)</p> <p>Today's number is 14. Draw 14 hearts in a circle or line and as an array in your math journal or on paper. Write the number 14 below each picture. Use the I Can Draw a Teen Number graphic organizer on page 5 to help you. Draw 14 hearts on the I Can Draw a Teen Number on Blank Ten Frames handout on page 6.</p> <p>Play the Fluency Game twice with your ten frame cards.</p>	<p>Optional: Watch module video for Day 14 using https://bit.ly/KModules</p> <p>Listen to the story, Make a Tree Friend (pgs. 10-11)</p> <ul style="list-style-type: none"> • Sketch and write a sentence to describe a key detail from the story. • Complete reading response sheet. (pg. 13) 	<p>Optional: Watch word work video for Day 14 using bit.ly/kwordwork</p> <p>Hoppin' Thursdays Using High Frequency Words: Create word cards using the Kinder HFW List with one word on each card. Tape the cards on the floor in a fun pattern that allows enough room to hop like a frog or jump from word to word. Read each HFW word, then hop or jump to the next card. If you get the word wrong, go back to the beginning and start again. (pg. 14)</p>	<p>Science Topic: Me and Those Around Me</p> <p>Did you know that you are a mammal? What physical characteristics do you have that make you a mammal? Draw a picture of yourself and label the physical characteristics that make you a mammal.</p> 
<p>Day 15</p>	<p>Count to 100 by ones. Do sit ups while you count to 100 by tens.</p> <p>Today's number is 15. Draw 15 stars in a circle or line and as an array in your math journal or on paper. Write the number 15 below each picture. Use the I Can Draw a Teen Number graphic organizer on page 5 to help you. Draw 15 stars on the I Can Draw a Teen Number on Blank Ten Frames handout on page 6.</p> <p>Play the Fluency Game twice with your ten frame cards.</p>	<p>Optional: Watch module video for Day 15 using https://bit.ly/KModules</p> <p>Listen to the story, Make a Tree Friend (pgs. 10-11)</p> <ul style="list-style-type: none"> • Compare and contrast characters from the story and images showing people enjoying trees. • Complete reading response sheet. (pg. 14) 	<p>Optional: Watch word work video for Day 15 using bit.ly/kwordwork</p> <p>Kaboom!</p> <p>Write your Cycle 18 words on tiny slips of paper. Also write the word Kaboom. Put all your slips into a cup. Pull the slips out one-by-one and read them aloud. If you get the word Kaboom, yell it out!! Put all your slips back in the cup and start again. (pg. 14)</p>	<p>Science Topic: Birds</p> <p>Birds are another group of animals that have special physical characteristics. They have feathers, wings, beaks, can lay eggs, and most can fly. Explain to an adult how birds are different from mammals. If you have time, sit by a window and bird watch.</p> <p>Topic: Types of Birds</p> <p>There are all kinds of birds. Use a T-chart to write two ways a hawk and flamingo are alike and two ways they are different.</p>   <p style="text-align: center;"> Hawk Flamingo </p>



SPECIALS - Choose at least one activity to complete each day. Your well-being is important to us. Please do not participate in physical activity if you are not feeling well.



- | | | | |
|---|--|---|---|
| <ul style="list-style-type: none"> <input type="checkbox"/> Keep the Beat by tapping to any song you like to listen to! <input type="checkbox"/> Sing "Old MacDonald" and draw a picture of the animals you pick. <input type="checkbox"/> Go outside or look outside and draw the trees that you see. | <ul style="list-style-type: none"> <input type="checkbox"/> Create a tree collage using materials in the home such as magazines, newspapers, etc. <input type="checkbox"/> For 60 seconds, clear your mind & only focus on your breathing. If your mind starts to wander, bring your attention back to your breathing. | <ul style="list-style-type: none"> <input type="checkbox"/> Put a piece of tape on the ground and jump back and forth as quick as you can for 30 seconds. <input type="checkbox"/> Listen to a story read by a real astronaut in space at storytimefromspace.com. Write: What happened in the beginning, middle and end of the story. What was the central message of this story? | <ul style="list-style-type: none"> <input type="checkbox"/> Go to PebbleGo Science in ONE Access. Learn about what an astronaut does. Write: What important things does an astronaut do every day? What is a question you have about an astronaut's job? |
|---|--|---|---|

I certify that my child, _____, did complete all of the required activities in days 11-15 of this learning plan.

Parent/Guardian Signature _____

Date _____

	MATH	READING: https://bit.ly/KCMSReading	WORD WORK: https://bit.ly/KCMSWordWork	SCIENCE & SOCIAL STUDIES
Day 16	<p>Count to 100 by ones. Hop on your right foot while you count to 100 by tens.</p> <p>Today's number is 16. Draw 16 smiley faces in a circle or line and as an array in your math journal or on paper. Write the number 16 below each picture. Use the I Can Draw a Teen Number graphic organizer on page 5 to help you. Draw 16 smiley faces on the I Can Draw a Teen Number on Blank Ten Frames handout on page 7.</p> <p>Play the Fluency Game twice with your ten frame cards.</p>	<p>Optional: Watch module video for Day 16 using https://bit.ly/KModules</p> <p>Listen to the story, Terrific Tree House (pgs. 15-16)</p> <ul style="list-style-type: none"> Compare and contrast characters from this story to the story, Making a Tree Friend. Complete reading response sheet. (pg. 19) 	<p>Optional: Watch instructional video for Day 16 using bit.ly/kwordwork</p> <p>Rainbow Write Using Cycle List 19: Write each word first with a pencil. Then trace over each word three times with a colored pencil or marker. Use a different color each time to create a "rainbow". (pg. 21)</p>	<p>Social Studies Topic: What Are Positional Words?</p> <p>Positional words describe the location of objects to one another.</p> <p>Activity: Using a collection of items like stuffed animals or blocks, practice using positional words by putting them in various positions. Describe to an adult where they are. Be sure to use the following words: above, below, over, under, between, next to, close to, far from, behind, in front of, beside, inside, outside, left, and right</p> <p>Enrichment Resource: All Around the Farm Directional Words & Spatial Concepts Learning Song for Kids with Jack Hartmann https://bit.ly/3ajAv69</p>
Day 17	<p>Count to 100 by ones. Clap every time you say a friendly number (10, 20, 30, 40...)</p> <p>Today's number is 17. Draw 17 triangles in a circle or line and as an array in your math journal or on paper. Write the number 17 below each picture. Use the I Can Draw a Teen Number graphic organizer on page 5 to help you. Draw 17 triangles on the I Can Draw a Teen Number on Blank Ten Frames handout on page 7.</p> <p>Play the Fluency Game twice with your ten frame cards.</p>	<p>Optional: Watch module video for Day 17 using https://bit.ly/KModules</p> <p>Listen to the story, Terrific Tree House (pgs. 15-16)</p> <ul style="list-style-type: none"> Compare and contrast characters how the treehouses in the story are the same and different. Complete reading response sheet. (pg. 19) 	<p>Optional: Watch instructional video for Day 17 using bit.ly/kwordwork</p> <p>Decodable Text: Read the decodable text "Chip Can't Nap". Highlight or make a list of the high frequency words: has, a, by, the, to, is, will. Focus on reading smoothly, with expression, and at just the right speed. (pg. 21)</p>	<p>Social Studies Topic: Using Positional Words</p> <p>Positional words are important when making or using a map or globe. They help people get from one place to another and recognize where landmarks are.</p> <p>Activity: Play the game "I SPY" with someone at home. Include the following statements: I spy something below...above...over...under... between...inside...outside...beside...in front of...behind...next to...close to...far from...to the left of...to the right of...</p> <p>Enrichment Resource: Where am I now? The position song https://bit.ly/2xliRQu</p>
Day 18	<p>Count to 100 by ones. Do jumping jacks while you count to 100 by tens.</p> <p>Today's number is 18. Draw 18 flowers in a circle or line and as an array in your math journal or on paper. Write the number 18 below each picture. Use the I Can Draw a Teen Number graphic organizer on page 5 to help you. Draw 18 flowers on the I Can Draw a Teen Number on Blank Ten Frames handout on page 7.</p> <p>Play the Fluency Game twice with your ten frame cards.</p>	<p>Optional: Watch module video for Day 18 using https://bit.ly/KModules</p> <p>Listen to the story, About Trees (pgs. 17-18)</p> <ul style="list-style-type: none"> Think and talk about what trees do for us. Complete reading response sheet. (pg. 20) 	<p>Optional: Watch instructional video for Day 18 using bit.ly/kwordwork</p> <p>Spell the Sounds Using Cycle 19 Words: Have a sibling, parent, or friend call out each word to you. Listen carefully to the sounds and spell them one-by-one on a blank sheet of paper. (pg. 21)</p>	<p>Science Topic: Reptiles</p> <p>Reptiles are another group of animals that have special physical characteristics. They have dry scaly skin, breath air through the lungs, can have no legs or 4 legs, hatch from eggs, and are cold blooded. Can you think of an animal that would be a reptile? Explain to an adult your thinking.</p> <p>Topic: Types of Reptiles</p> <p>There are all kinds of reptiles. Use a T-chart to write two ways a tortoise and a snake are alike and two ways they are different.</p> <div style="display: flex; justify-content: space-around; align-items: center;">  Snake  Tortoise </div>

<p>Day 19</p>	<p>Count to 100 by ones. Stomp every time you say a friendly number (10, 20, 30, 40...)</p> <p>Today's number is 19. Draw 19 hearts in a circle or line and as an array in your math journal or on paper. Write the number 19 below each picture. Use the I Can Draw a Teen Number graphic organizer on page 5 to help you. Draw 19 hearts on the I Can Draw a Teen Number on Blank Ten Frames handout on page 7.</p> <p>Play the Fluency Game twice with your ten frame cards.</p>	<p>Optional: Watch module video for Day 19 using https://bit.ly/KModules</p> <p>Listen to the story, <u>About Trees</u> (pgs. 17-18)</p> <ul style="list-style-type: none"> • Think and talk about what trees do for us. • Complete reading response sheet. (pg. 20) 	<p>Optional: Watch instructional video for Day 19 using bit.ly/kwordwork</p> <p>Hoppin' Thursdays Using High Frequency Words: Create word cards using the Kinder HFW List with one word on each card. Tape the cards on the floor in a fun pattern that allows enough room to hop like a frog or jump from word to word. Read each HFW word, then hop or jump to the next card. If you get the word wrong, go back to the beginning and start again. (pg. 21)</p>	<p>Science Topic: Fish</p> <p>Fish are another group of animals that have special physical characteristics. Fish are really special because they live their entire lives in water and can breathe in the water through gills. They also have scales, fins, and a tail. Draw a picture of your favorite fish. Write one sentence telling why it is your favorite.</p>
<p>Day 20</p>	<p>Count to 100 by ones. Do sit ups while you count to 100 by tens.</p> <p>Today's number is 20. Draw 20 stars in a circle or line and as an array in your math journal or on paper. Write the number 20 below each picture. Use the I Can Draw a Teen Number graphic organizer on page 5 to help you. Draw 20 stars on the I Can Draw a Teen Number on Blank Ten Frames handout on page 7.</p> <p>Play the Fluency Game twice with your ten frame cards.</p>	<p>Optional: Watch module video for Day 20 using https://bit.ly/KModules</p> <p>Listen to the story, <u>About Trees</u> (pgs. 17-18)</p> <ul style="list-style-type: none"> • Think and talk about how you enjoy trees. • Complete reading response sheet. (pg. 21) 	<p>Optional: Watch instructional video for Day 20 using bit.ly/kwordwork</p> <p>Kaboom!</p> <p>Write your Cycle 19 words on tiny slips of paper. Also write the word Kaboom. Put all your slips into a cup. Pull the slips out one-by-one and read them aloud. If you get the word Kaboom, yell it out!! Put all your slips back in the cup and start again. (pg. 21)</p>	<p>Science Topic: Types of Fish</p> <p>There are all kinds of fish. Use a T-chart to write two ways a shark and a goldfish are alike and two ways they are different.</p> <div style="display: flex; justify-content: space-around; align-items: center;">   </div> <div style="display: flex; justify-content: space-around; margin-top: 5px;"> Shark Goldfish </div>

SPECIALS - Choose at least one activity to complete each day. Your well-being is important to us. Please do not participate in physical activity if you are not feeling well.

- | | | | |
|---|--|---|---|
| <ul style="list-style-type: none"> <input type="checkbox"/> Read about someone important in a book or using the World Book Encyclopedia. Create a speech for your family to tell why this person should be on MyHero.com. <input type="checkbox"/> Make up a song about your favorite food. <input type="checkbox"/> List 10 things that make you think of the color BLUE (or other colors). | <ul style="list-style-type: none"> <input type="checkbox"/> Express in your drawing the happiest time that you had this year. <input type="checkbox"/> For 60 seconds, clear your mind & only focus on your breathing. If your mind starts to wander, bring your attention back to your breathing. | <ul style="list-style-type: none"> <input type="checkbox"/> Lay on your stomach resting on your forearms. Crawl across the room dragging your body as if you're moving under barbed wire. <input type="checkbox"/> Google search John Phillip Sousa and listen to one of his songs. Can you keep the beat and march with him? | <ul style="list-style-type: none"> <input type="checkbox"/> Ready to try your hand at creating and coding? Log into Code.org and click on Hour of Code. Pick one of the activities to do and learn how to code! Share what you learned with your family or friend. |
|---|--|---|---|

I certify that my child, _____, did complete all of the required activities in days 16-20 of this learning plan.

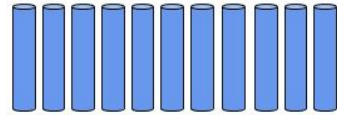
Parent/Guardian Signature _____

Date _____

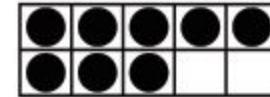
I Can Draw a Teen Number

My number is _____ . I can draw the number...

In a Circle or Line





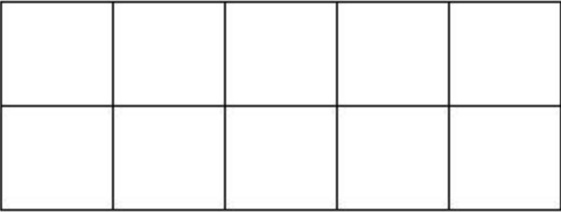
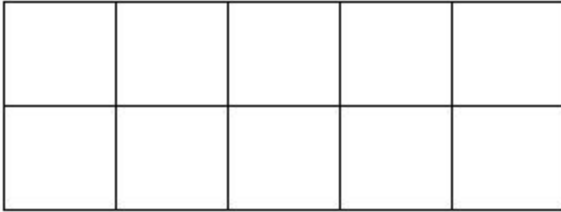
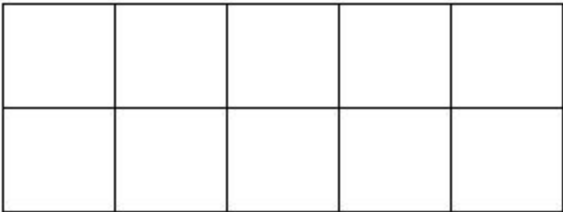
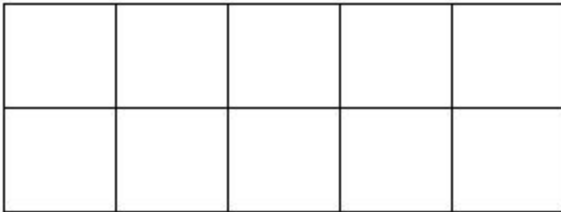
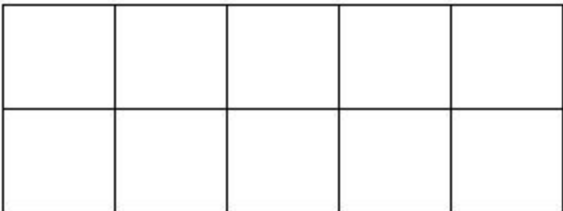
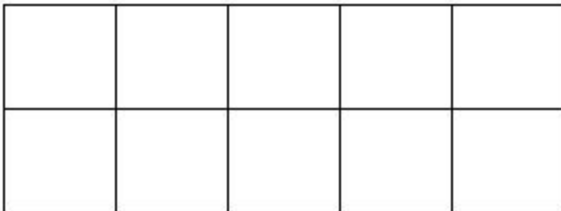

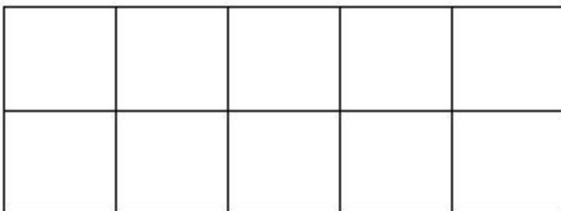
On Ten Frames



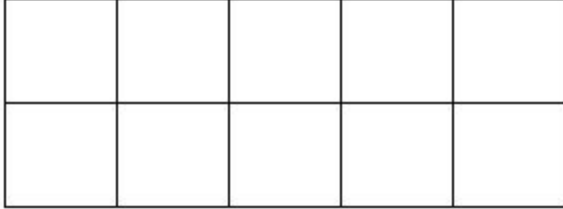
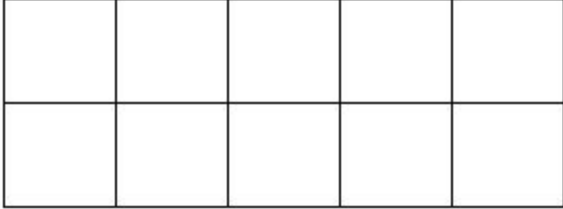
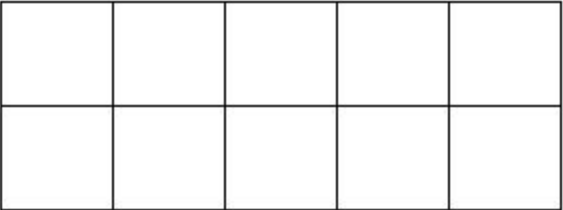
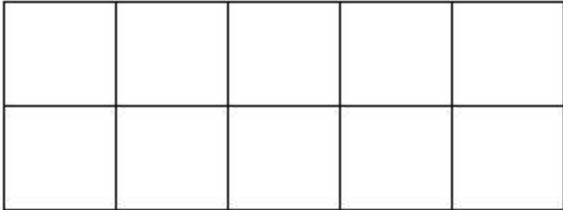

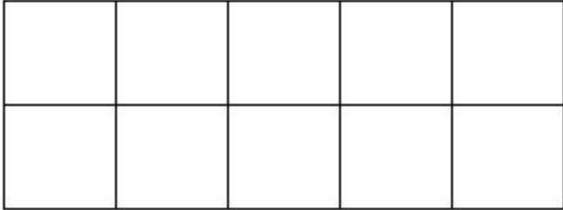
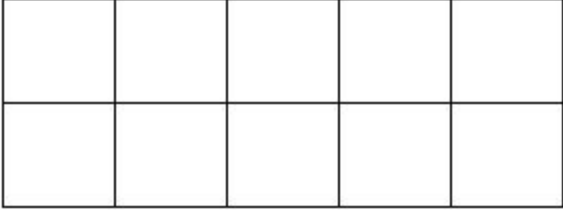
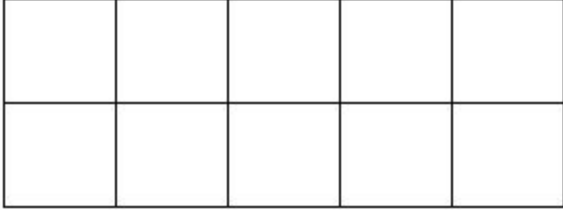
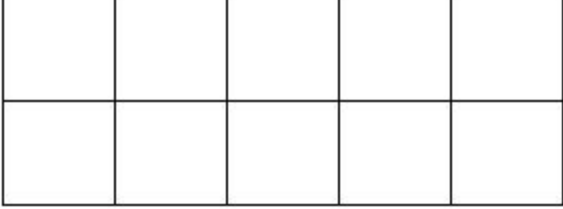
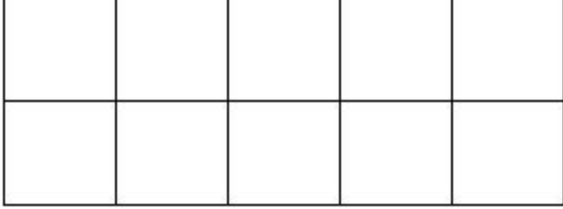
As an Array

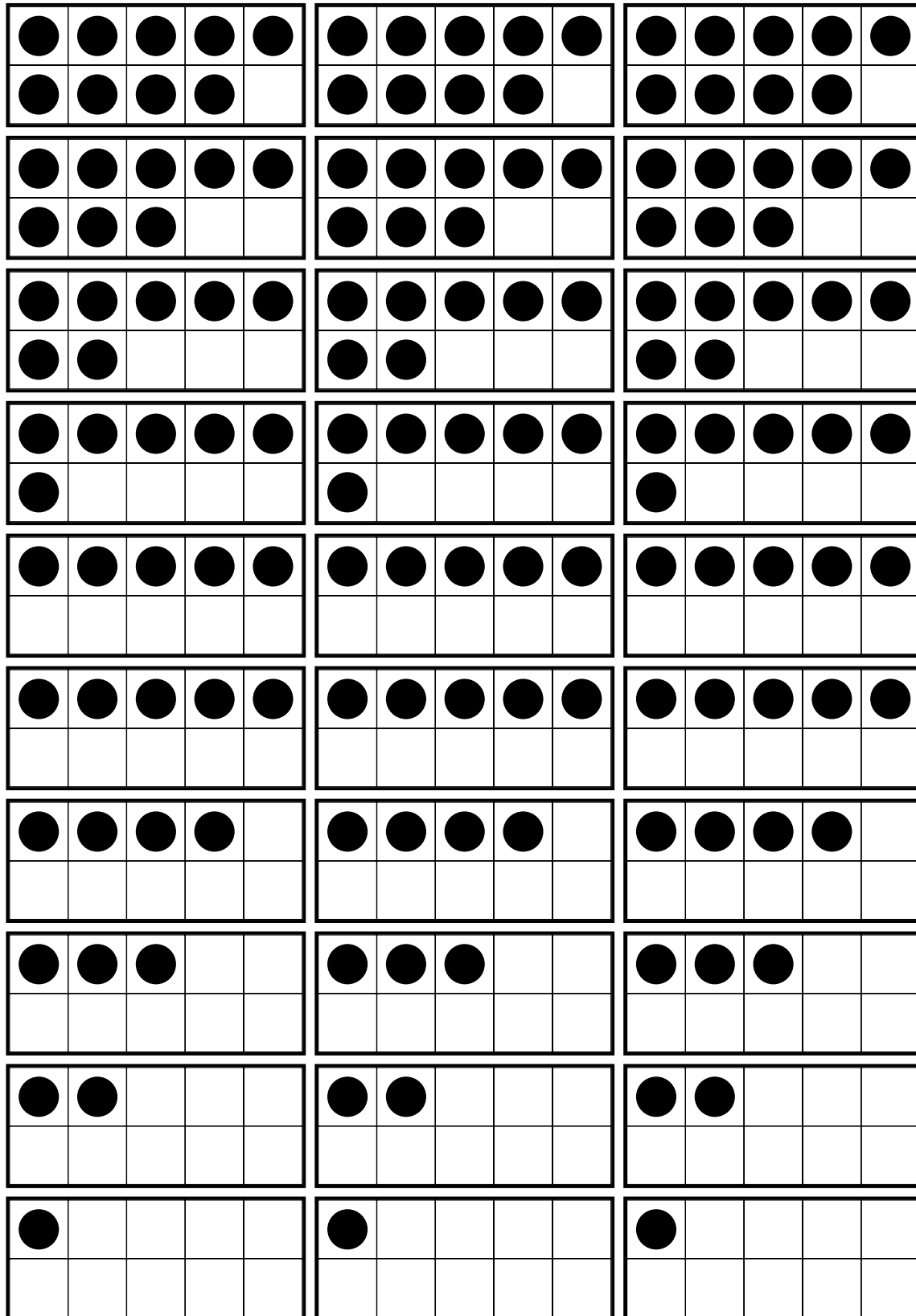


I Can Draw a Teen Number on Ten Frames

Day 11		
Day 12		
Day 13		
Day 14		
Day 15		

I Can Draw a Teen Number on Ten Frames

Day 16		
Day 17		
Day 18		
Day 19		
Day 20		

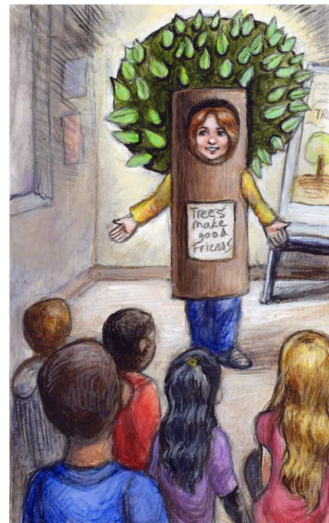


Little ten-frames—16

Make a Tree Friend



Written by Alyse Sweeney
Illustrated by Joanne Renaud
www.readinga-z.com



Amy is friends with many trees.

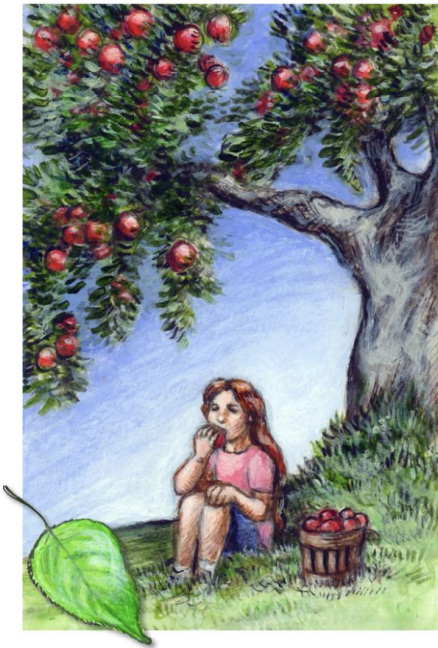
Make a Tree Friend • Level E

3



When she wants to swing,
she visits a maple tree.

4



When she wants to eat,
she visits an apple tree.

Make a Tree Friend • Level E

5



When she wants to cry,
she visits a weeping willow.

6



When she wants to climb,
she visits an oak tree.

Make a Tree Friend • Level E

7



When she wants to think,
she visits a birch tree.

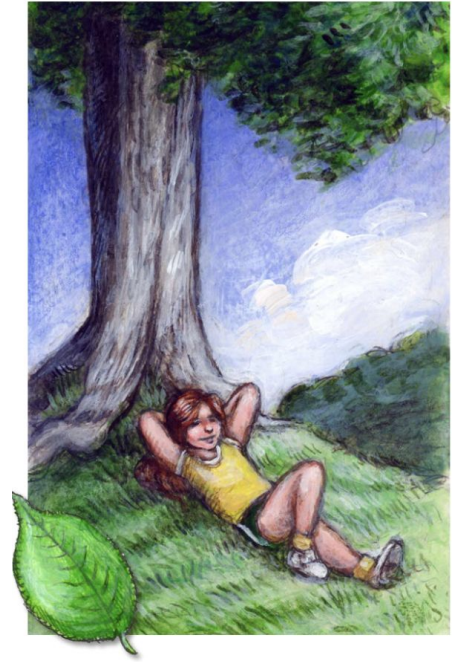
8



When she wants to count,
she visits a pine tree.

Make a Tree Friend • Level E

9



When she wants to rest,
she visits an elm tree.

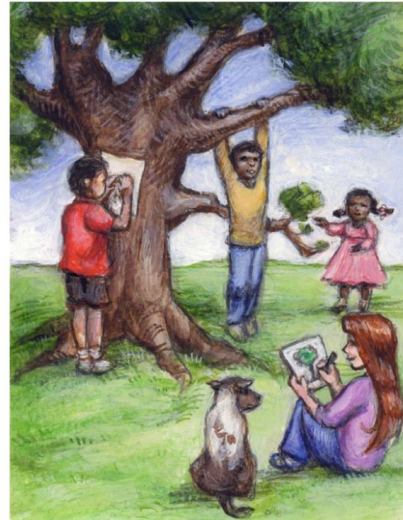
10



You can be friends with
a tree, too.

Make a Tree Friend • Level E

11



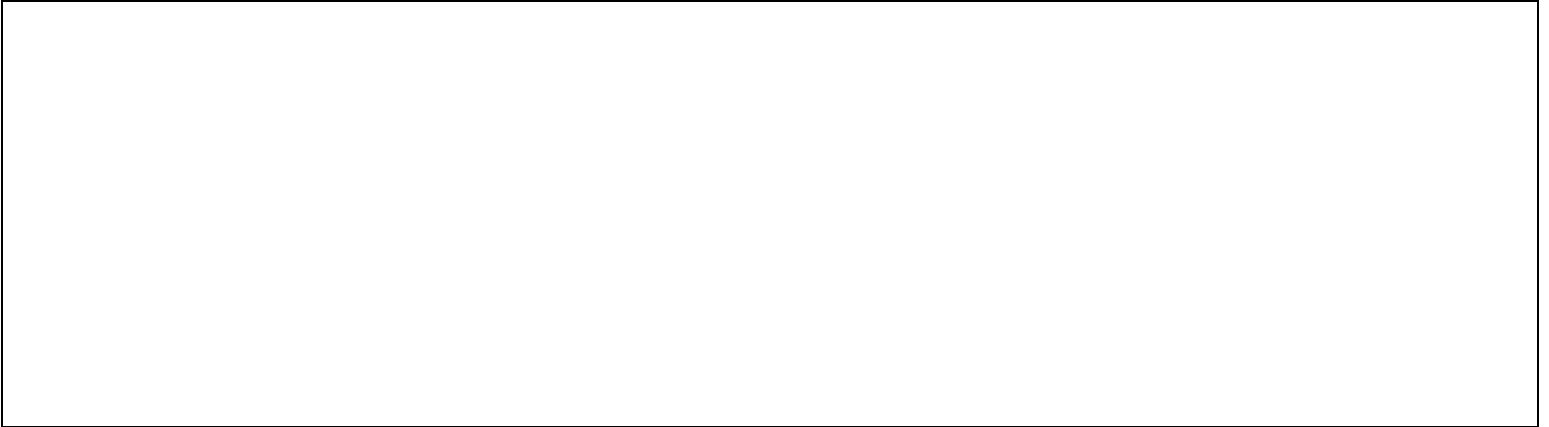
Find a tree.
Visit the tree to climb, think,
and play.
Make a tree friend!

12

Enjoying Trees Journal

Day 11

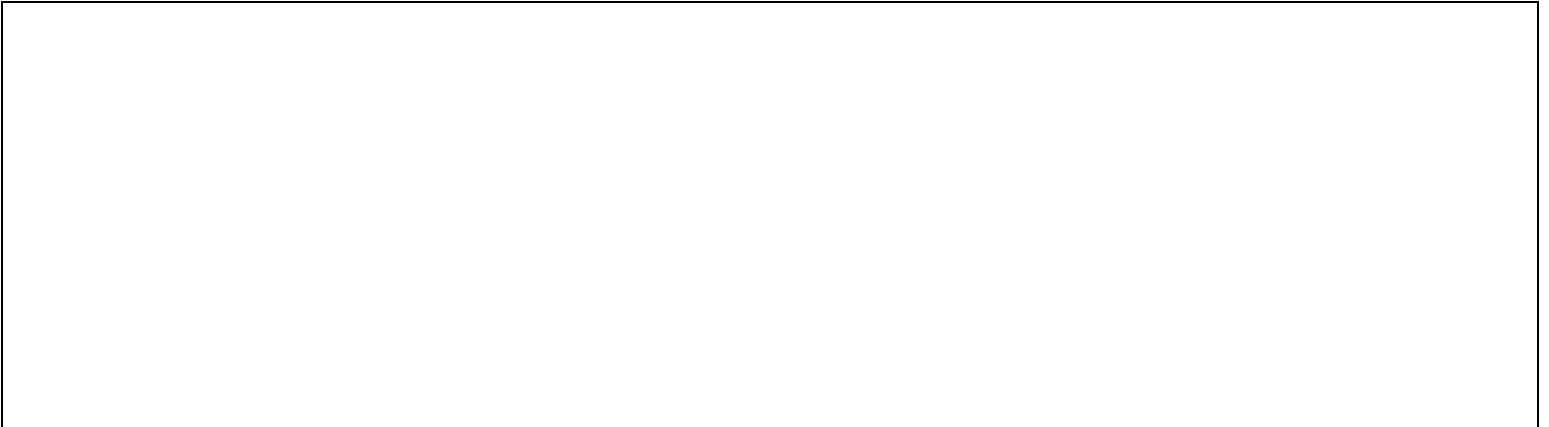
Directions: Draw, label, and write one way you could enjoy a tree.



I can enjoy a tree by

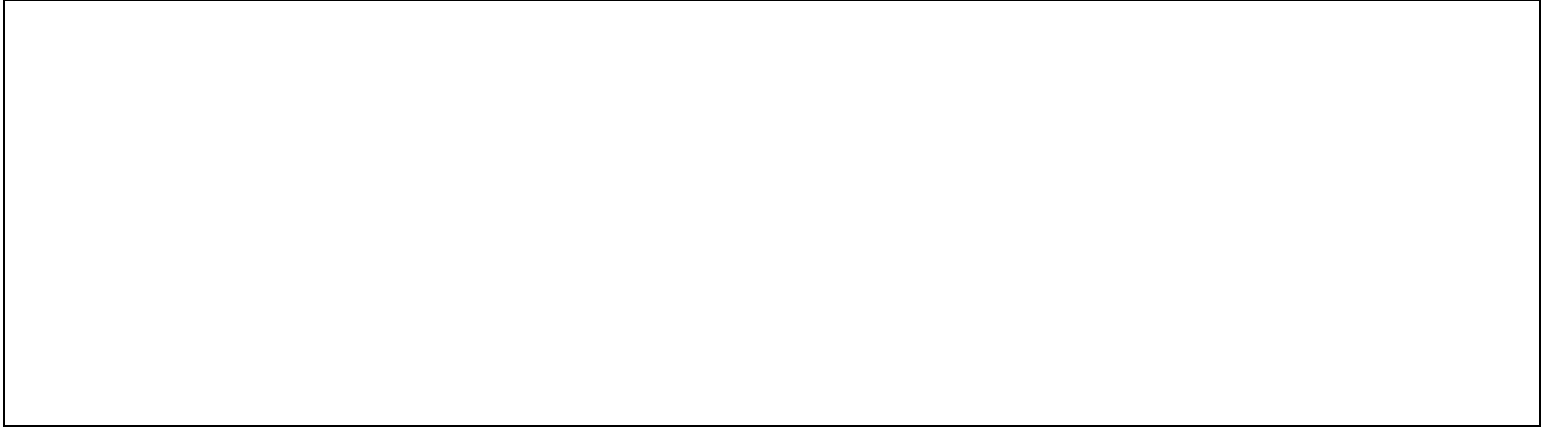
Day 12

Directions: The main idea of the story is that Amy is friends with many trees. Sketch and write sentences to describe a key detail that supports the main idea of the story.



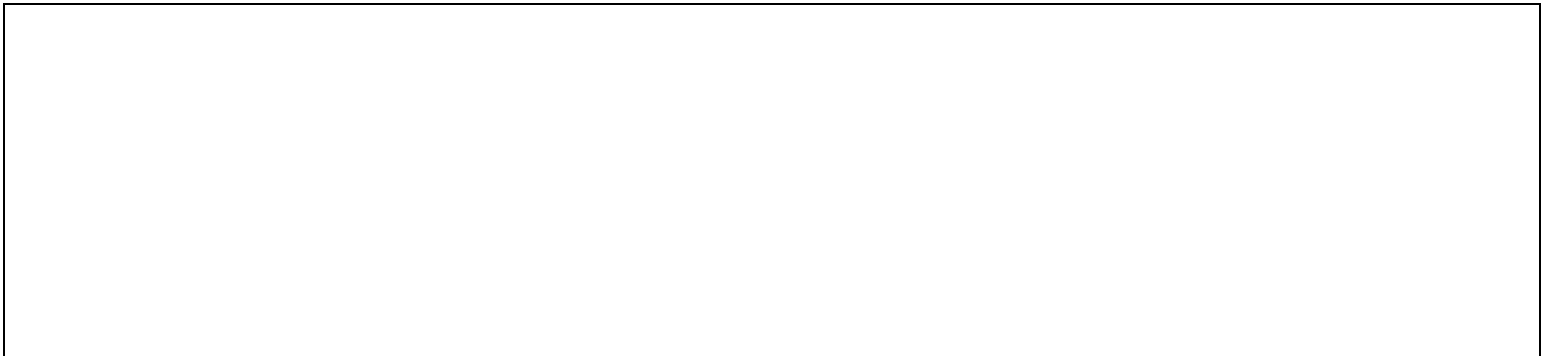
Day 13

Directions: The main idea of the story is that Amy is friends with many trees. Sketch and write sentences to describe a key detail that supports the main idea of the story.



Day 14




Directions: The main idea of the story is that Amy is friends with many trees. Sketch and write sentences to describe a key detail that supports the main idea of the story.



Day 15

Directions: Look at the images of people enjoying and appreciating trees. Is what they are doing the same or different than

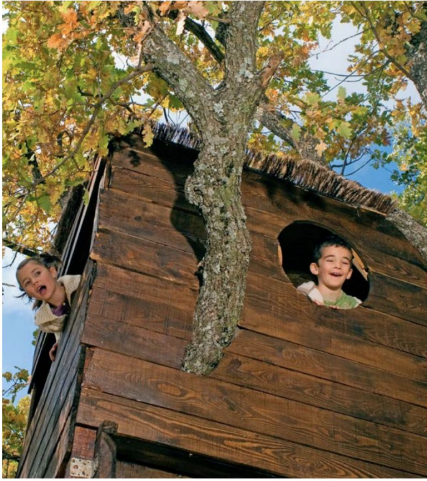
how Amy enjoys her tree friends? Put a check in column S for same and column D for different.

	Same	Different
 Tree Climbing		
 Family Picnic under a tree		
 Hide and Go Seek		

Days 11-15: Cycle 18

Word List	Sight Words	Decodable Text: <u>Josh's New Home</u>	Day 13 Poem
cab bash nap van am dip wish thin rub shut not hush bed get yet	are with Will	The rug is red. Ben can see a bed. Ben is by the bed. Josh and Ben sit and chat in the den. Josh fed Ben a nut and jam. The rug is wet!	<p style="text-align: center;">Poem: "Where Are the Vowels?"</p> <p>I asked my mom, "Will you help me? Are the vowels with you?"</p> <p>My mom said, "They are not with me. Are they with your sister?"</p> <p>I asked my sister, "Will you help me? Are the vowels with you?"</p> <p>My sister said, "They are not with me. Are they with the dog?"</p> <p>I asked my dog, "Will you help me? Are the vowels with you?"</p> <p>The dog just looked at me funny. Now I am worried. I don't know what to do. Hey, will YOU help me? Are the vowels with YOU?</p>

Terrific Tree Houses



Written by Anthony Curran
www.readinga-z.com



Tree houses are little houses built up in trees. Many tree houses are simple, but some are terrific.

Terrific Tree Houses • Level F Benchmark

3



This terrific tree house wraps up and around a tree.

4



This terrific tree house is covered with mirrors.

Terrific Tree Houses • Level F Benchmark

5



This terrific tree house is shaped like an egg.

6



This terrific tree house looks like an eyeball.

Terrific Tree Houses • Level F Benchmark

7



This terrific tree house looks like an alien spaceship.

8



This terrific tree house looks as if it belongs in a fairy tale.

Terrific Tree Houses • Level F Benchmark

9



This terrific tree house uses tree trunks as legs.

10



This terrific tree house looks like a giant mushroom.

Terrific Tree Houses • Level F Benchmark

11



This terrific tree house is built inside the trunk of a tree. What kind of tree house would you build?

12

About Trees



Written by Sherry Sterling

www.readinga-z.com



Table of Contents

Introduction	4
Leaves	5
Branches	7
Trunk	8
Roots	10
Sap	11
Seeds	12
Growing	13
Conclusion	14
Glossary/Index	16

About Trees • Level P

3



People look tiny when standing next to giant sequoias.

Introduction

Trees are the tallest living plants. Redwood trees can grow as tall as a 30-story building. Giant sequoias can weigh as much as 3,000 large pickup trucks, making them one of the heaviest living things. Trees also live a long time. Many trees alive today were full-grown long before the United States became a country. But these massive trees share something with all plants—they make their own food.

4

Leaves

Imagine being able to make your own food without cooking or even going to a restaurant! Leaves make food for trees by changing energy from sunlight into food. This important work is done by **chlorophyll** (KLOR-uh-fill), the green coloring in leaves.



deciduous



Leaves come in all shapes and sizes. Most **deciduous** (dee-SIJ-oo-us) trees have wide, thin leaves, while most conifers have needlelike leaves. **Conifers** keep their needles through all seasons. Only the oldest needles fall to the ground. Deciduous trees lose their leaves every fall.

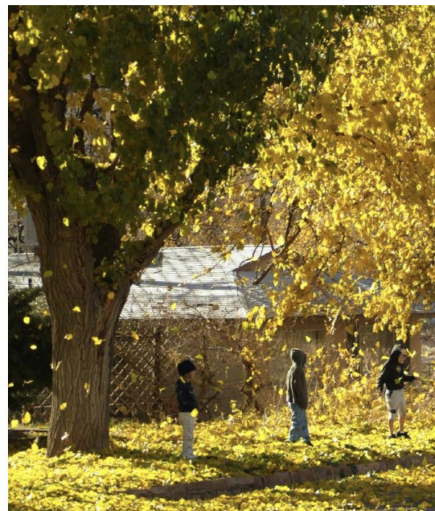


conifer



About Trees • Level P

5



Yellow and brown leaves fall from this deciduous tree.

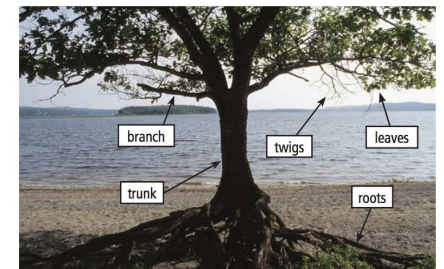
In the fall, the leaves of deciduous trees show their true colors. These true colors are yellows, oranges, and browns, which hide under green chlorophyll all spring and summer. We see these colors in the fall after leaves stop making chlorophyll.

6

Branches

Branches are the arms that hold up a tree's leaves. Branches spread leaves out to get as much sunlight as they can. The leaves give shade to other living things on sunny days.

Branches start out as twigs, then they grow thicker each year. As a tree grows, its **bark** cracks open so the branches and trunk can expand. New bark is always growing under the old, ready to **protect** the tree. If new bark gets stripped away, a tree can die.



About Trees • Level P

7

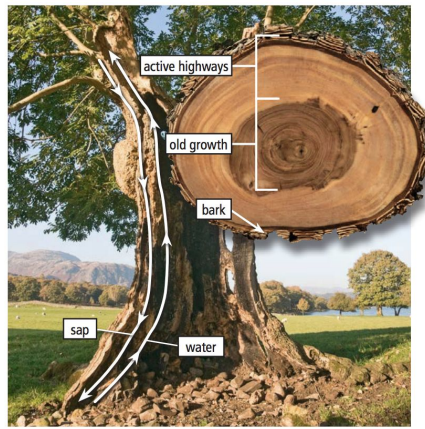
Trunk

Tubes in the tree's trunk carry water from the roots up to the leaves. They also carry **sap**, or food, down from the leaves to the roots. These tubes are like highways, carrying traffic back and forth. They are close to the outside of the tree, just under the bark.



Layers of bark protect trees.

8



This hollowed out ash tree continues to grow.

A tree doesn't need the middle of its trunk to live. The middle is made of rings of old growth, not active highways. That's why a tree can keep growing even if the middle is hollowed out after a lightning strike. All it needs is enough bark to protect its highways.

About Trees • Level P

9



Tree roots reach deep into the ground.

Roots

Trees need soil to keep growing. Roots are part of the highways. They soak up water and **nutrients** from the soil. Roots also keep the soil in place when it rains. Without the roots of trees and plants, soil washes away.

Trees are stuck in the soil because their roots reach deep into the ground. It's a good thing they can make their own food, since they can't move to get it.

10

Sap

Leaves use water plus sunlight and air to make food for the tree. This food is in the form of liquid sugars. Sometimes people eat some kinds of tree sugars for food. You've probably had tree sugar for breakfast—pouring it over your pancakes or waffles. Have you guessed what tree sugar this is? It's maple syrup, and it comes from the food, or sap, of a sugar maple tree.

A bucket collects sap from a tap in a maple tree.



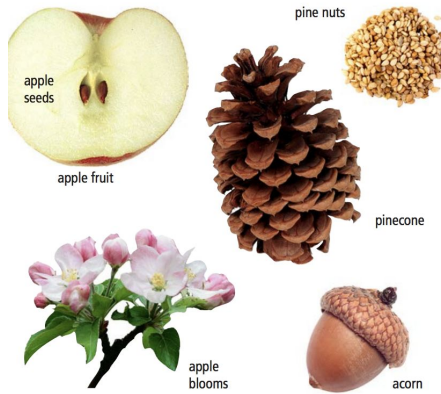
Pancakes swim in maple syrup.

About Trees • Level P

11

Seeds

Deciduous trees grow flowers, which make seeds that are inside fruit or nuts. Conifers make cones instead of flowers. The cones do the same job for conifers that flowers do on other trees. They make seeds to grow more trees. Each seed holds its own supply of food to keep it alive until it's ready to **sprout**.

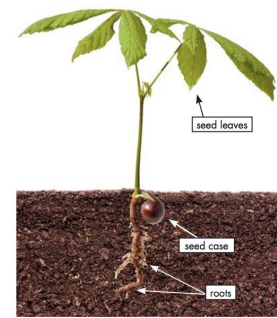


12

Growing

How does a tall tree grow from a small seed? The seed soaks up water until it can send out a root. With more water, leaves inside the **seed case** grow until they push up and out. Once this has happened, we say the seed has sprouted.

Now the sprout can make its own food and no longer needs the seed's store of energy. The seed leaves will make food for the new sprout.



This shows how a sprout grows from a seed.

About Trees • Level P

13

Conclusion

While trees look like they aren't doing much, they are working. They make their own food by changing sunlight and air into sugars. This helps keep the air clean, too.

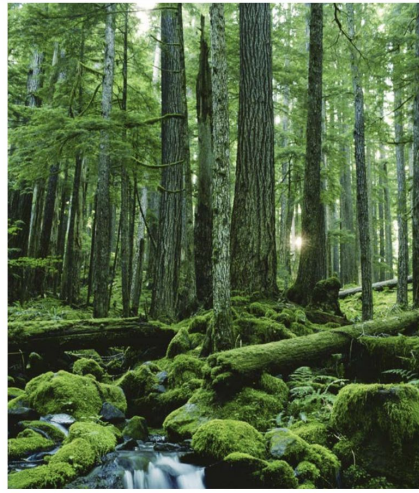
Trees are homes and food for birds and other animals. Look to see which animals make homes in trees near your



home. Some animals, including humans, eat sap, fruit, and seeds from trees. Others eat bark and leaves.

Holes in trees make safe homes for many owls.

14



Trees do many things. Tree leaves shade us on sunny days. They also shade new sprouts from the heat of the sun so they won't burn. Tree roots hold the soil in place that trees and other plants need to grow. From saplings to mighty giants, trees stand tall.

About Trees • Level P

15

Glossary

bark	the rough covering on a tree's branches and trunk (p. 7)
chlorophyll	a material in green plants that can turn water, air, and sunlight into food (p. 5)
conifers	trees, such as pine and spruce, with needle-like leaves (p. 5)
deciduous	trees that lose their leaves in the fall and grow them in the spring (p. 5)
nutrients	things from soil and food that living things use to stay healthy and grow (p. 10)
protect	to keep something from harm (p. 7)
sap	the liquid sugars trees make for their food (p. 8)
seed case	the outer covering of a seed (p. 13)
sprout	to begin growing (p. 12)

Index

chlorophyll, 5, 6	maple syrup, 11
cones, 12	redwood, 4
fruit, 12, 14	sprout, 13
giant sequoia, 4	sugar maple, 11

16

Enjoying Trees Journal

Day 16

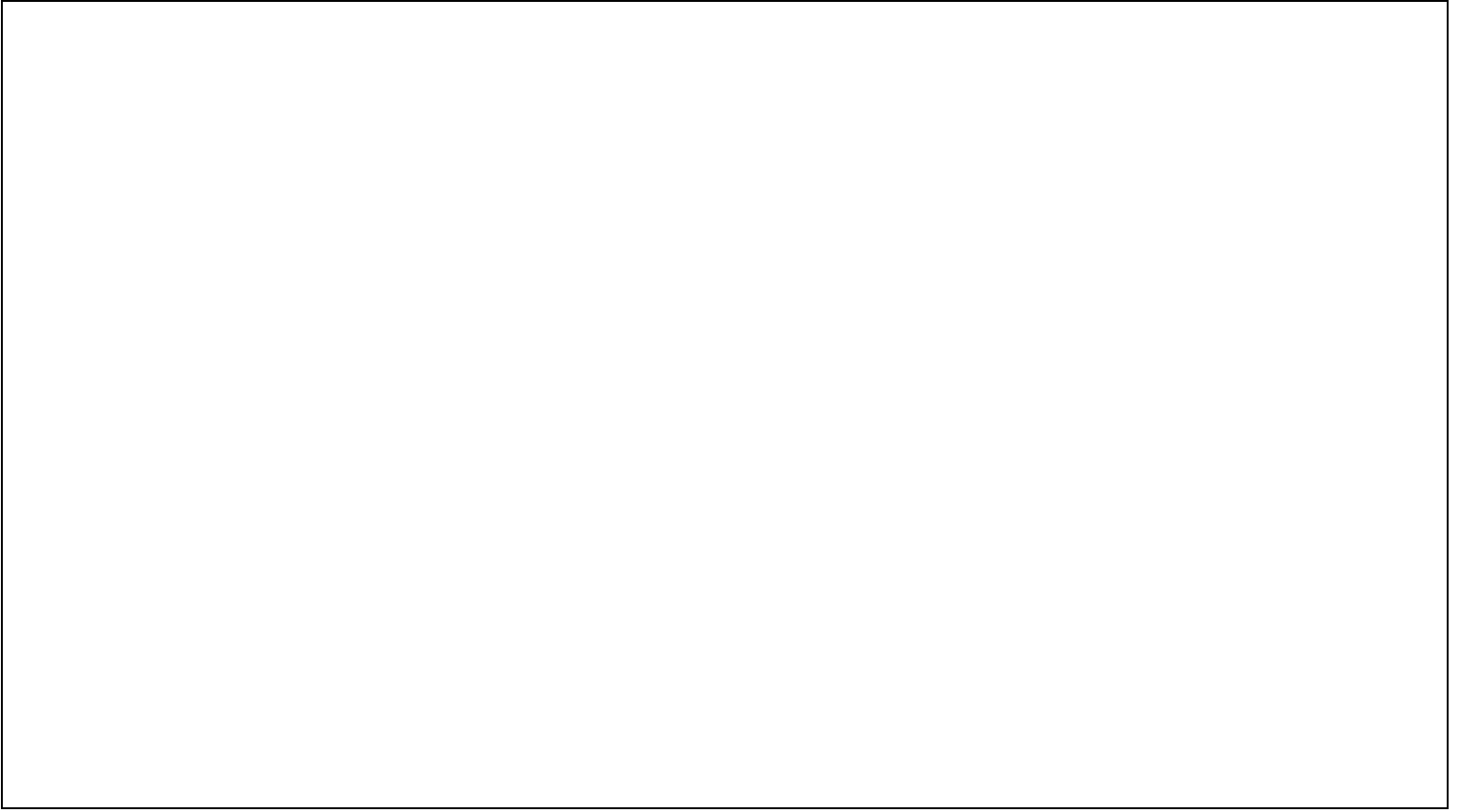
Directions: Using your Enjoying Trees Journal, sketch a model of what your tree house would look like.

Day 17

Directions: Using your Enjoying Trees Journal, add details to the model tree house you sketched yesterday.


Day 18

Directions: Using your Enjoying Trees Journal, sketch a tree part and label it.



Day 19

Directions: Using your Enjoying Trees Journal, sketch a different tree part from the one you sketched yesterday and label it.



Day 20

Directions: Using your Enjoying Trees Journal, sketch a tree and write a story of how you enjoy your tree. Make sure your story has a beginning, middle, and end.

Days 16-20: Cycle 19

Word List	Sight Words	Decodable Text: <u>Chip Can't Nap</u>	Poem Day 17
bath lap tan ham lip fish path tub shop hush pot led pen wet yes	of have from	Chip has a bed by the shop. Thud! Bash! The cab will not hush! Chip can not nap. Chip will dash to the van. The van is shut! Will Chip get a nap?	<p style="text-align: center;">Poem: "Have You Ever?"</p> Have you ever thought of the cat from the book with a big, striped hat? Have you ever thought of the frog from the book with the big, long log? Have you ever thought of the hen from the book with a large, round pen? If you don't have one of these books, take them off the shelves and look, look, look!