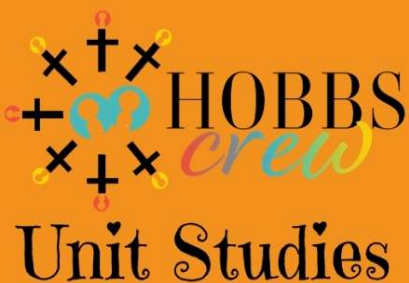


FALL LEAVES

Unit Study



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Fall Leaves Unit Study

Thank you for downloading this product. This lesson is designed to engage the student in what they are learning.

Fall Leaves Unit Study Supply List (per child):

- | | |
|---|--|
| ☐ Printed Unit Study | ☐ Outside Space |
| ☐ Pencils | ☐ Leaves |
| ☐ Electronic Device | ☐ Crayons |
| ☐ Internet Access | ☐ Paper |
| ☐ Dictionary | ☐ Camera |
| ☐ Printer | ☐ Glue |
| ☐ Isopropyl Alcohol | ☐ Wooden Spoon |
| ☐ Glasses | ☐ Scissors |
| ☐ Coffee Filters | ☐ Garbage Bags |
| | ☐ Rake |

What subjects are covered in this Unit Study?

This unit study covers: Vocabulary, Handwriting, Science, PE and Art.

YouTube Videos

There are several YouTube videos in this study. It is recommended that the parent preview the videos before the child sees them. When the lesson instructs the child to watch, it is recommended they stop and watch before moving on.



Fall Leaves Unit Study



Hands-On Activates

This unit study is designed to take the child on a journey as they build upon each concept. The videos, hands-on activities and assignments are meant to be done in the order they are written in.



Part One: What is Autumn?

In part one, the child will learn about the season of autumn and the changes that it brings. They will begin to do a Nature Journal that will document the season in their own back yard. I encourage you to let the child take pictures throughout the season so they can see for themselves the changes.



Part Two: Why do the leaves change?

The student will learn why the leaves change and explore the process of photosynthesis. There is a listening activity for the leader to read out loud while the child does what the leader says. By the end of the activity, they will have drawn the process of photosynthesis.



Fall Leaves Unit Study

Answer Key

Part One: What is Autumn?

Watch This YouTube Video:

[Autumn Is Here!](#)

By Scholastic



Name 3 changes that happen in Autumn:

1. Leaves change
2. Weather gets cooler
3. Days get shorter



Autumn is the perfect season to get outside and explore all the changes that are happening all around us.

It is fun to see and make note of these changes as the season moves along. Your next activity is going to give you the chance to do this.



Feel free to repeat this activity as often as you want through this Autumn Season. It is very interesting to compare your notes and see the changes when the season ends.





Fall Leaves Unit Study

Answer Key



Part Two: Why do the leaves change?

Fill in the blank with the correct word.

Word Bank

deciduous

evergreen



Trees that lose their leaves every winter are called

deciduous

trees.

Evergreen

trees keep their

leaves or needles all year long.

Go outside and collect leaves from deciduous trees and evergreen trees. Glue or tape a sample in the correct box below.

Deciduous

Evergreen



Fall Leaves Unit Study

Answer Key

Part Two: Why do the leaves change?

Watch This YouTube Video:

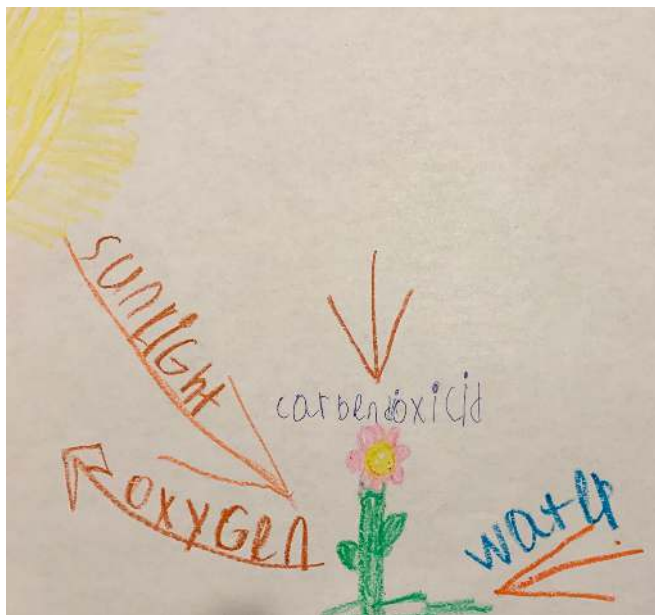
[Why Do Leaves Change Color? What Makes Leaves Fall](#)

By Free School

What is chlorophyll?

A green pigment in plants that is responsible for the absorption of light to provide energy for photosynthesis.

Photosynthesis Listening Activity: Follow the directions of your leader.





Fall Leaves Unit Study

Photosynthesis Listening Activity Directions

1. Draw a flower plant with it's roots on the lower half of the square.
2. Draw a yellow sun in the sky.
3. Draw an arrow pointing to the roots.
4. Write the word WATER above that arrow.
5. Draw an arrow pointing to the flower.
6. Write the word CARBON DIOXIDE below the arrow.
7. Draw an arrow pointing from the sun to the flower.
8. Write the word SUNLIGHT beside the sun's arrow.
9. Draw an arrow next to the flower pointing up.
10. Label that arrow OXYGEN.



Fall Leaves Unit Study

Part Three: The Colors of Autumn

In this part of the study the student will complete a science experiment which will break down the colors in the leaves. This experiment does require supervision by a parent or leader.



Once they have completed the experiment, they are encouraged to make a video showing what they have learned and share it with with their family and friends.

Part Four: Time to Play

In this part of the study, the student will go outside and enjoy the autumn season. I have suggested some games that can be played so they can pick one to play or even play them all.





Fall Leaves Unit Study

Part One: What is Autumn?

Watch This YouTube Video:
[Autumn Is Here!](#)
By Scholastic



Name 3 changes that happen in Autumn:

1. _____
2. _____
3. _____

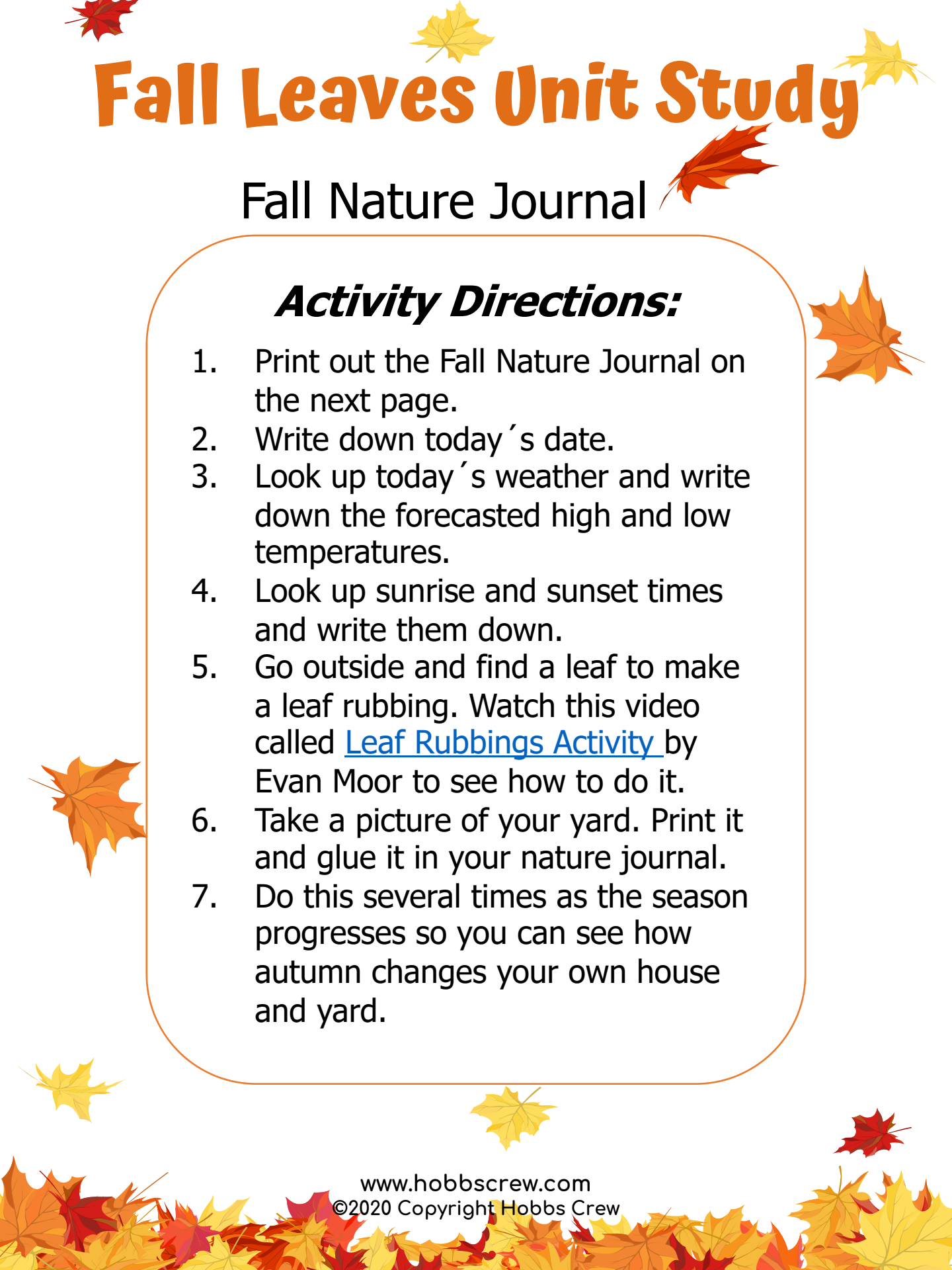


Autumn is the perfect season to get outside and explore all the changes that are happening all around us.

It is fun to see and make note of these changes as the season moves along. Your next activity is going to give you the chance to do this.

Feel free to repeat this activity as often as you want through this Autumn Season. It is very interesting to compare your notes and see the changes when the season ends.





Fall Leaves Unit Study

Fall Nature Journal

Activity Directions:

1. Print out the Fall Nature Journal on the next page.
2. Write down today's date.
3. Look up today's weather and write down the forecasted high and low temperatures.
4. Look up sunrise and sunset times and write them down.
5. Go outside and find a leaf to make a leaf rubbing. Watch this video called [Leaf Rubbings Activity](#) by Evan Moor to see how to do it.
6. Take a picture of your yard. Print it and glue it in your nature journal.
7. Do this several times as the season progresses so you can see how autumn changes your own house and yard.



Nature Journal

Date: _____

High Temp: _____

Sunrise Time: _____

Low Temp: _____

Sunset Time: _____



Leaf Rubbing



Picture of your
yard and trees



Fall Leaves Unit Study



Part Two: Why do the leaves change?

Watch This YouTube Video:

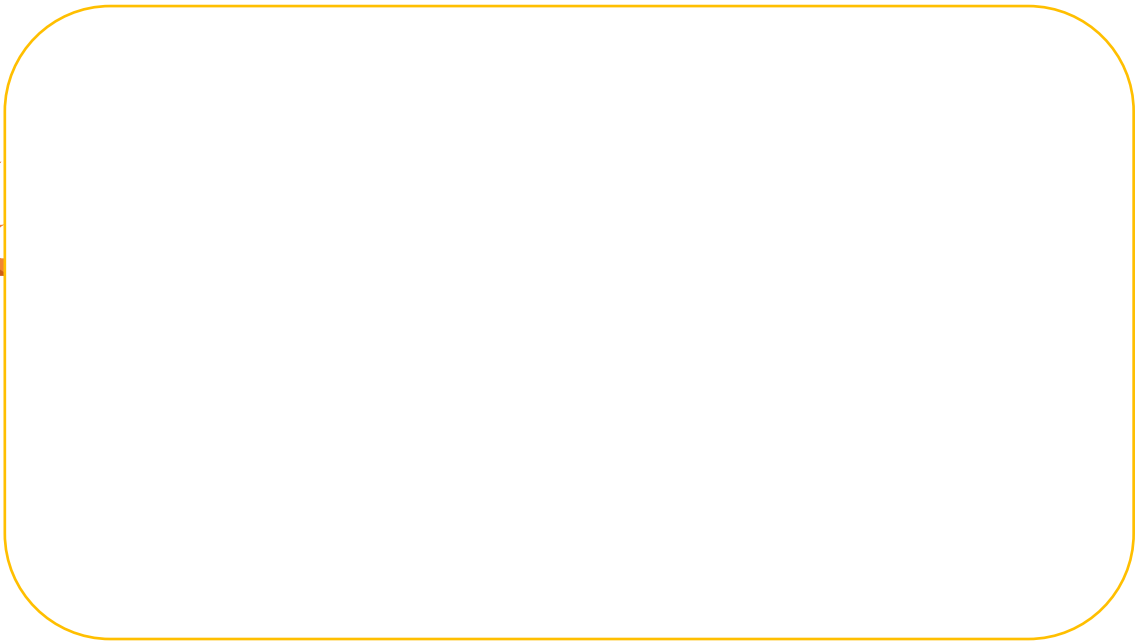
[Why Do Leaves Change Color? What Makes Leaves Fall](#)

By Free School



What is chlorophyll?

Photosynthesis Listening Activity: Follow the directions of your leader.





Fall Leaves Unit Study



Part Two: Why do the leaves change?

Fill in the blank with the correct word.



Word Bank

deciduous

evergreen

Trees that lose their leaves every winter are called

_____ trees.

_____ trees keep their
leaves or needles all year long.

Go outside and collect leaves from deciduous trees and evergreen trees. Glue or tape a sample in the correct box below.

Deciduous

Evergreen



Fall Leaves Unit Study

Part Three: The Colors of Autumn

Watch This YouTube Video:

[Leaf Color Chromatography](#)

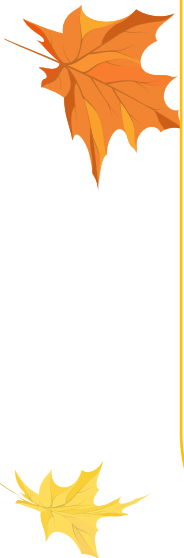
By Alex Dainis

Now it's your turn! Go collect the following supplies:

- | | |
|--|---------------------------------------|
| ☐ Isopropyl Alcohol | ☐ Leaves |
| ☐ Glasses | ☐ Wooden Spoon |
| ☐ Coffee Filters | ☐ Scissors |

Follow the directions

(With your leader's permission)

- 
1. Cut the leaves into tiny pieces and put them into glasses.
 2. Pour the Isopropyl Alcohol over the leaves until it covers them.
 3. Grind up the leaves in the glass with a wooden spoon.
 4. Notice the color of the alcohol as the leaves release their pigments. You can create this process to move faster by putting the glasses in a hot water bath.
 5. Cut the coffee filters into strips and place the strips in the glass with one side in the alcohol and the other sticking up in the air.
 6. Let your experiment sit for an hour.
 7. Observe the separation of colors on your strips of filter paper.
 8. Make video explaining your findings to share with your friends and family.



Fall Leaves Unit Study

Part Four: Time to Play!

Watch This YouTube Video:

[Autumn Leaves are Falling Down](#)

By The Learning Station



Pick a game you would like to play!

Leaf Maze

1. Get a rake and go outside.
2. Create a maze by raking the leaves in to lines leaving gaps for others to go through.
3. Start in the center of your yard and work toward the outside.

How Many Leaves Can You Catch?

- 
1. Get a rake and go outside.
 2. Rake a pile of leaves.
 3. Count to three and throw as many leaves in the air as you can.
 4. Catch as many leaves with your hands as they float back down.
 5. Count them to see how many you caught.

Leaf Relay Race

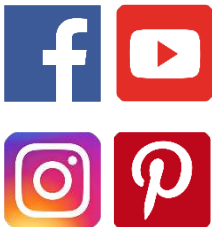
- 
1. Divide into two teams.
 2. Get a large garbage bag for each team.
 3. Set the bags at one end of the yard.
 4. When your leader says go, everyone gathers leaves as quickly as they can.
 5. The first team to fill their bag wins!



Thank you!

We hope you love this resource as much as we do! If you have any questions, comments, or concerns, please feel free to reach out to us at thehobbsscrew@gmail.com. We want to support you and this product any way we can.

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