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The Natural History Museum
of Santa Maria

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412 South McClelland St.Box 5254
Santa Maria, CA 93456
805-614-0806



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SANTA MARIA, CALIFORNIA

Introduction

Native Americans did not have a written language in many cases, so symbols (pictures) representing objects important to them remain for us to use. The name of our local Central Coast Native Americans is Chumash, however, the symbols used in this journal are symbols of other tribes. You will learn more about how Native Americans use the resources nature provides in future Nature Journals from the Natural History Museum, Santa Maria.

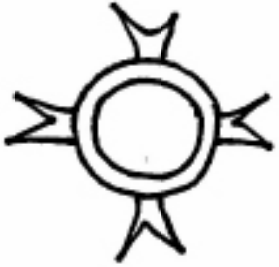
Celebrating Native Americans

Name

Examples of Native American Symbols



Cloud



Sun



Rain



Seed



Tree



Bird



Butterfly



A Person



Leaf



Earth

Seeds



The Natural History Museum has provided you with milkweed seeds. Ask for a paper cup or an old coffee cup or other small container that can be filled with dirt, you can also plant a small seed in 1/2 of an empty egg shell. (See page 26 for the YouTube link on how to start seeds in egg shells). Once you have filled the container with dirt, place a seed in the dirt and push it into the dirt with your finger. *Commercial dirt (planting mix) works best and can be picked up on the front porch of the Natural History Museum anytime. You will need to add a little water each day so the dirt stays moist **but not too wet**. It will be helpful if your seed is outside so the sun will shine on it if it is not too hot. Keep track of how your seed grows by filling in the blank spaces below.

I planted the milkweed seed on this date_____

My seed sprouted on this date_____

How many days did it take for the seed to sprout_____

What do you think was needed to allow your seed to sprout? Please circle the correct choices.
Can you find Native American symbols for these things on the Internet? If you cannot, make up your own symbol for it, and draw your symbol next to the word

Worms

Dirt

Rain

Water

Sun

Wind

Chocolate

Ants

Did you know Monarch butterfly caterpillars need to eat leaves of Milkweed plants to survive? After your seed sprouts and the milkweed starts to grow you can bring it to the Natural History Museum, 412 S. McClelland, and plant it. Please go to the back of the Museum. Find the Butterfly - Bee Garden and plant in that area. You will need to bring garden tools and water.

Leaf



Trees



Walk around your neighborhood block (if your parents say this is OK). Do you see trees? Do you have trees in your own home yard? List the ways that trees can be useful to humans.

1. _____

2. _____

3. _____

Can trees produce food? _____

Can trees provide shade? _____

Where do humans get wood? _____

What is paper made from? _____

Now, sit under a tree for at least 10 minutes. Look closely around you. What else do you notice?

I notice _____

I wonder _____?

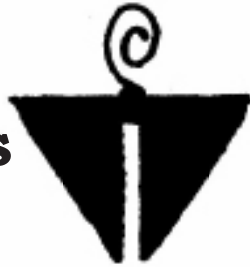
It reminds me of... _____.

Can you find a leaf from this tree on the ground? You can put it in this journal with tape or glue. If the leaf is green, you can press it inside a book and put the book under another heavier book and then take it out in about one week. (Page 26 of this journal also has a link on how to press leaves and flowers). Your leaf will be pressed and then you can paste it in your journal or tape it in. Please draw a picture of the tree you are sitting under here.

How do you feel today?_____

Examples: I feel happy, I feel hungry,
I miss my friends from school, I feel sad.

Insects



Do you think insects use trees?

Please go outside and sit under a tree for at least 10 minutes if you can. Do you notice any insects?

How many kinds of insects do you see? _____

Can you name them? _____

1.

2.

3.

How are each kind using the tree? Please write the answer next to their name.

What do you notice about one of the insects?
Color, size, legs, ability to fly, noise they make?

I notice _____

I wonder _____?

It reminds me of _____

Notes:

We have added some blank pages to your Nature Journal. If you like you can make observations every day about the items in this book.

Please write down how you feel each day also. You can attach pressed flowers and leaves from your trips around your neighborhood.

Don't Forget

Please visit us on our new website while we are still in isolation.

www.smnaturalhistory.org

We hope to be able to open the museum soon. Admission is always free.
See you soon!

Good Luck!

On your computer please go to www.smnaturalhistory.org, education tab. You will find links to click on for easy lessons.

<https://morrobaybirdfestival.org/central-coast-land-birds/>

The above link is one that will show you **bird photos**. If you click on top of the bird, the bird's name will appear. Have you seen any of these birds?

<https://kidsgrowingstrong.org/>

The above link is all about gardening. If you want to plant a garden, take a look. There is also a good lesson on seeds on this site. What do you think?

Please put **“How to start seeds in egg shells”** into your search box with Google. Then click on the You Tube by Miracle Grow. It is a 1 minute video and is just GREAT. Please try to use purchased planting mix (commercial dirt) when growing in egg shells. **If you need planting mix, please bring a small bag to the Natural History Museum**

Good luck!

<https://www.happyfamilyart.com/art-lessons/learn-to-draw/how-to-draw-a-tree/>

The above link is about how to draw differently shaped **trees**. We hope you enjoy drawing .

<https://www.youtube.com> then put in How to draw insects.

The link above shows you some ways to draw **insects**. Enjoy!

<https://www.youtube.com/watch?v=dyxA6wyvAR0>

The link above is how to **Press Flowers and Leaves**

easily! Try this©

Do humans need any insects?_____

If so, which insects and why are they needed?

Please now draw a picture of all the kinds of insects you observed. (See page 26 for a link on “How to draw insects”).

How do you feel today?_____

Examples: I feel.....Happy, sad, cold, hot, I miss my friends at school, angry.

Birds



Now you will begin walking around your block every day for one week.

You will be looking for birds.

Please record the day and answer all the questions each day.

- Q#1. Today's date is: _____example: May 25th.
- Q#2. What is the weather like today?___example: cloudy, sunny, foggy, windy, cold, hot.
- Q#3. What time of day is it?____example: morning, afternoon (try to do this in early morning and late afternoon at least once).
- Q#4. How many different kinds of birds did you notice? Birds are different sizes and colors.
- Q#5. Can you name any of the kinds of birds you saw? example: Crow, Robin, Blue Jay.
- Q#6. When you saw the birds, please record which birds were hanging out alone and which were in pairs and which were in groups.



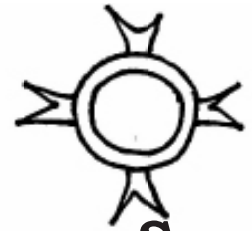
Bird



Cloud



Butterfly



Sun



Earth



Rain



A Person



Seed



Leaf



Tree

The next page will include all the Native American symbols from pages 4 and 5.

Please draw a line from all the symbols to any of the other symbols if there is a connection. Example: Birds use trees, so there is a line between the Bird symbol and the Tree symbol. Do birds use anything else? Do they use humans? Seeds? Rain (for water), Sun? Some symbols will have more than one connection.

Hint: There may be many lines between many of the symbols.

How many symbols have more than one connection? _____

Which symbol has the most connections?

What did you notice? I noticed _____

Does it make you ask questions? Can you find even more connections. _____

Did anything surprise you? _____ I was surprised to notice _____

- Q#7. Were they singing, chirping or quiet?
- Q#8. Were they flying or perched in a tree?
- Q#9. Compare the size of each bird to something else. Example: the bird was the size of a small baseball or a golf ball?
- Q#10. What colors were each type of bird you saw today?
- Q#11. How do you feel today?

Examples: _____ I feel...happy, sad, hungry, mad, I miss my friends at school, cold, hot

There will now be 7 Bird watching pages.

Day 7 - Birding

Look to page 12 and 13 for questions.

Q#1. _____
date? Q#2 - weather? Q#3 - time of day?

Q#4. _____
kinds of birds?

Q#5. _____
name of birds?

Q#6. _____
single birds, pairs or birds, or groups?

Q#7. _____
sounds?

Q#8. _____
activity? flying, walking, hopping, perching?

Q#9. _____
size?

Q#10. _____
colors?

Q#11. _____
I feel?

**Draw the best bird of the day here. (See page 26
for a link to pictures of many birds and their names).**

Day 4 - Birding

Look to page 12 and 13 for questions.

Q#1. _____
date? Q#2 - weather? Q#3 - time of day?

Q#4. _____
kinds of birds?

Q#5. _____
name of birds?

Q#6. _____
single birds, pairs or birds, or groups?

Q#7. _____
sounds?

Q#8. _____
activity? flying, walking, hopping, perching?

Q#9. _____
size?

Q#10. _____
colors?

Q#11. _____
I feel?

**Draw the best bird of the day here. (See page 26
for a link to pictures of many birds and their names).**

Day 5 - Birding

Look to page 12 and 13 for questions.

Q#1. _____
date? Q#2 - weather? Q#3 - time of day?

Q#4. _____
kinds of birds?

Q#5. _____
name of birds?

Q#6. _____
single birds, pairs or birds, or groups?

Q#7. _____
sounds?

Q#8. _____
activity? flying, walking, hopping, perching?

Q#9. _____
size?

Q#10. _____
colors?

Q#11. _____
I feel?

**Draw the best bird of the day here. (See page 26
for a link to pictures of many birds and their names).**

Day 6 - Birding

Look to page 12 and 13 for questions.

Q#1. _____
date? Q#2 - weather? Q#3 - time of day?

Q#4. _____
kinds of birds?

Q#5. _____
name of birds?

Q#6. _____
single birds, pairs or birds, or groups?

Q#7. _____
sounds?

Q#8. _____
activity? flying, walking, hopping, perching?

Q#9. _____
size?

Q#10. _____
colors?

Q#11. _____
I feel?

**Draw the best bird of the day here. (See page 26
for a link to pictures of many birds and their names).**