

# ELEMENTARY SCIENCE CURRICULUM



# SPECIAL EDUCATION



This curriculum is perfect for students who:

- Have an intellectual disability
- are early or non-readers
- lack prerequisite skills
- benefit from picture support
- take alternative assessments
- elementary school

## Why you need this bundle:

- If you teach multiple grade levels, you have all you need in one place.
- Having the same layout for each unit reduces students' anxiety and allows them to focus on the content.
- Aligned with extended learning standards.
- Saves you money
- Saves you time.

This curriculum covers the following areas:

- Animals
- Earth Science
- Astronomy
- Health and Safety
- States of Matter
- Life Cycles
- Weather
- Seasons

All units built using the extended learning standards.

All units have  
printable  
AND digital  
activities

# Specific Units (40 total)

1. All About Bats
2. All About Frogs
3. All About Insects and Bugs
4. Apple Activities
5. Erosion and Deposition
6. Fire Safety
7. Friction
8. Solids Science
9. Liquids Science
10. Gases Science
11. Incubating Chicken Eggs
12. Isaac Newton
13. Life Cycle of a Butterfly
14. Life Cycles of Animals
15. Ocean Animals & Sea Life
16. Parts of a Plant
17. Personal Hygiene
18. Phases of the Moon
19. Pumpkin
20. Water Cycle
21. Rocks and Minerals
22. All About Spiders
23. Severe Weather Extreme Weather
24. Hurricanes
25. Sounds
26. Spring
27. Summer
28. Fall and Autumn
29. Winter
30. Watermelon
31. All About Sharks
32. Animal Adaptations Gorillas and Tigers
33. Earth Day
34. Planets of the Solar System
35. All About Polar Bears
36. Pollution and Conservation
37. All About Reindeer
38. All About Penguins
39. All About Turkeys
40. Types of Clouds

All the units are structured similarly so students become familiar with the type of activities and can concentrate more on the content. Units include:

- Detailed lesson plans
- Books
- Group activities
- Experiments (when appropriate)
- Individual activities
- Assessments

The activities are differentiated to allow more students to participate in the same activity.

- Saves you time
- Fosters inclusion



**KEEP SCROLLING FOR ALL THE DETAILS**



# Animal Life Cycles

## Table of Contents

Pages	Activity
4-5	Vocabulary board
6-13	Vocabulary cards
14-32	Vocabulary cut and paste
33-48	Circle maps
49-63	Venn Diagrams
64-76	Life cycle diagrams cut and paste
77-82	Matching adult to baby
83-89	Sudoku
90-91	Word Search
92-99	Cloze worksheets
100-110	Assessment
111-112	Terms of Use

Also included in this resource as separate files:

- Lesson plans
- Links and directions to digital activities
- PowerPoints **(these are the books in the lesson plans)**
- Voice recorded PowerPoint
- Activities in black and white

Every unit has different activities and ways for students to practice that skill.

# The Moon

## Lesson plan

### Day 5

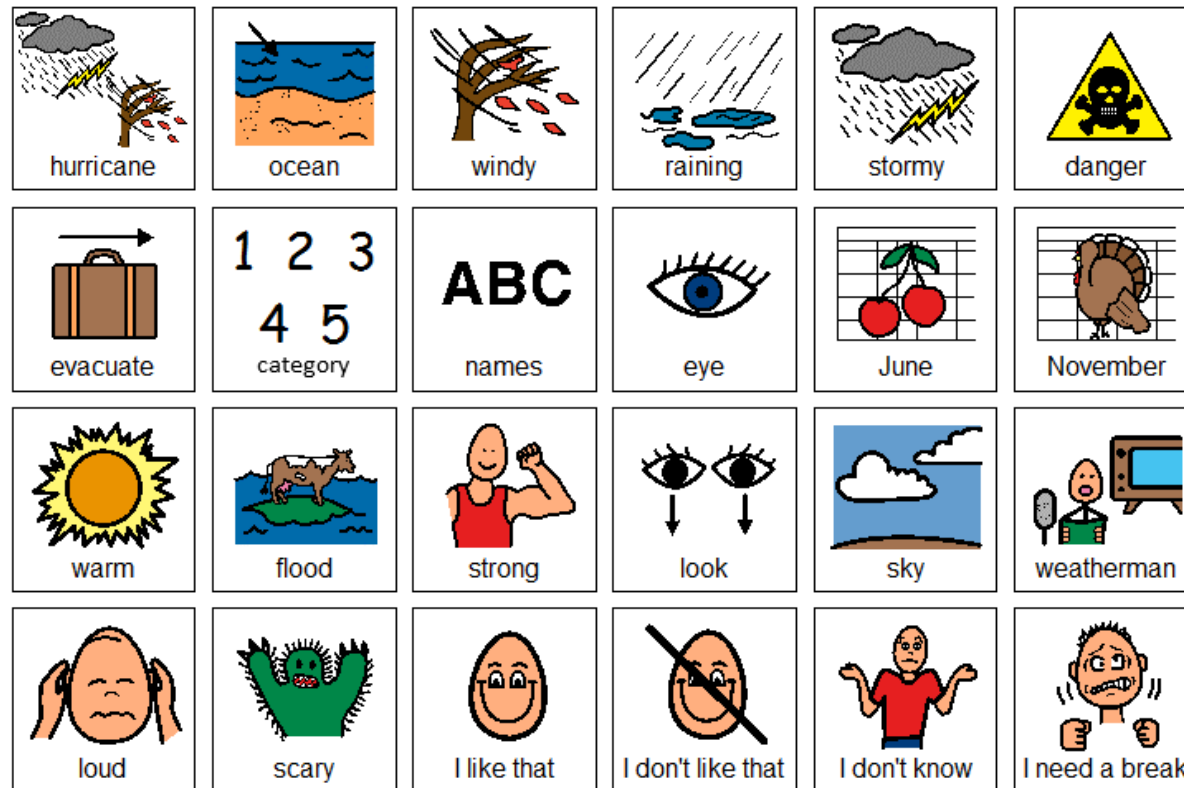
Activity	Notes	Materials
Read or listen to a recording of the book: <b>Phases of the moon</b> (10 minutes)	<ul style="list-style-type: none"><li>• Read through the story, asking lots of questions</li><li>• Continue to make connections between book and vocabulary board</li></ul>	<ul style="list-style-type: none"><li>• Book</li><li>• Vocabulary board</li></ul>
Vocabulary cards <b>Speed Matching</b> (10 minutes)	<ul style="list-style-type: none"><li>• place all the cards in the middle of the table</li><li>• hold up a card, and the students race to find it in the pile in the middle of the table</li><li>• NOTE: for students with physical challenges, allow them to simply find the symbol on their board or communication device</li></ul>	Vocabulary cards (extra sets)
Large Phases Cards (10 minutes)	<ul style="list-style-type: none"><li>• Pass the cards out to the students and have them arrange themselves in the correct order</li><li>• You can also have them hold up the correct card as you read the book.</li></ul>	<ul style="list-style-type: none"><li>• Large phases cards</li></ul>
Matching activity review (5 minutes)	<ul style="list-style-type: none"><li>• Review the matching activity completed yesterday</li></ul>	<ul style="list-style-type: none"><li>• Activities from yesterday</li></ul>
Sequencing the phases of the moon activity (10 minutes)	<ul style="list-style-type: none"><li>• Have students practice putting the phases of the moon in order</li><li>• Add color-coding if needed for students who need more support.</li></ul>	<ul style="list-style-type: none"><li>• worksheet</li><li>• Scissors</li><li>• glue</li></ul>
Sharing (10 minutes)	<ul style="list-style-type: none"><li>• Each student shares their finished worksheet</li></ul>	<ul style="list-style-type: none"><li>• Completed activity</li><li>• Communication devices</li></ul>

Every unit has a detailed lesson plan with suggestions, a quick look, and a daily step-by-step guide.



# Vocabulary board

## Hurricanes



Christa Joy, Special Needs for Special Kids

Every unit has a vocabulary board to use during class discussions.

## PowerPoint/Textbook

**Cumulus clouds** are those big puffy white clouds that look like big cotton balls in the sky.



©Christa Joy, SNSK

Every unit has a book with simple text and engaging photos. This book provides all the information needed to complete the activities.

It comes in a PowerPoint and an mp4/movie file that is narrated.

scavenger hunt

fall

brown leaf

jacket

yellow leaf

squirrel

nuts

pine cone

orange leaf

red leaf

apple

pumpkin

spider web

football

stick

bird

mushrooms

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### Plants

simple leaf

seeds

stem

node

plant

fruit

photosynthesis

pollination

compound leaf

leaf base

petiole

leaf

Bingo

Group activities

Most units have one or more group activities. This allows you to work on the skill as well as IEP goals like communication and cooperation.

dry hands

hand sanitizer

shower

bathe

wash hair

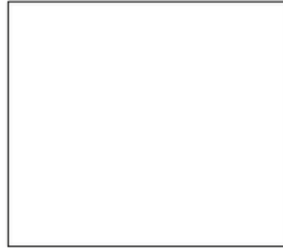
wash hands

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Charades

# My Rock and Minerals

The following was the rock:



I found the following minerals in my rock:

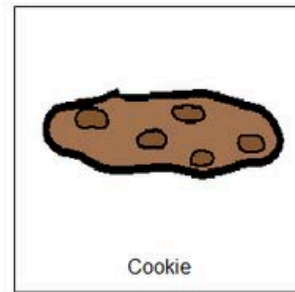


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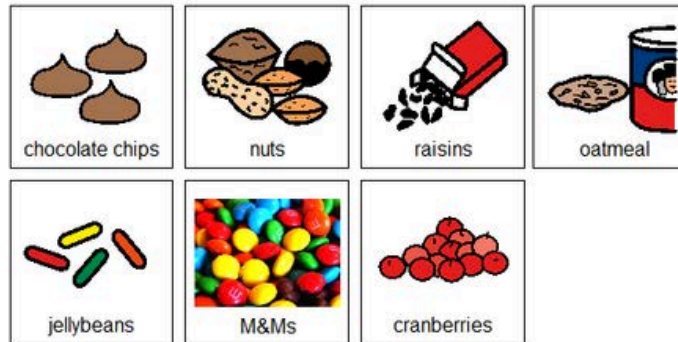
# Experiments

When appropriate, there are simple experiments using visual supports and pictures.

Use from the following pictures to complete the previous page or draw your own pictures.

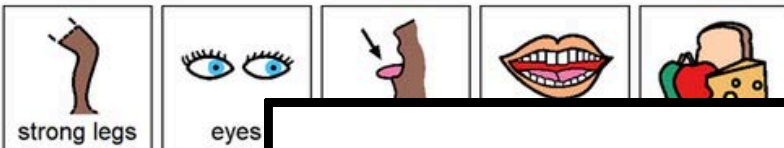
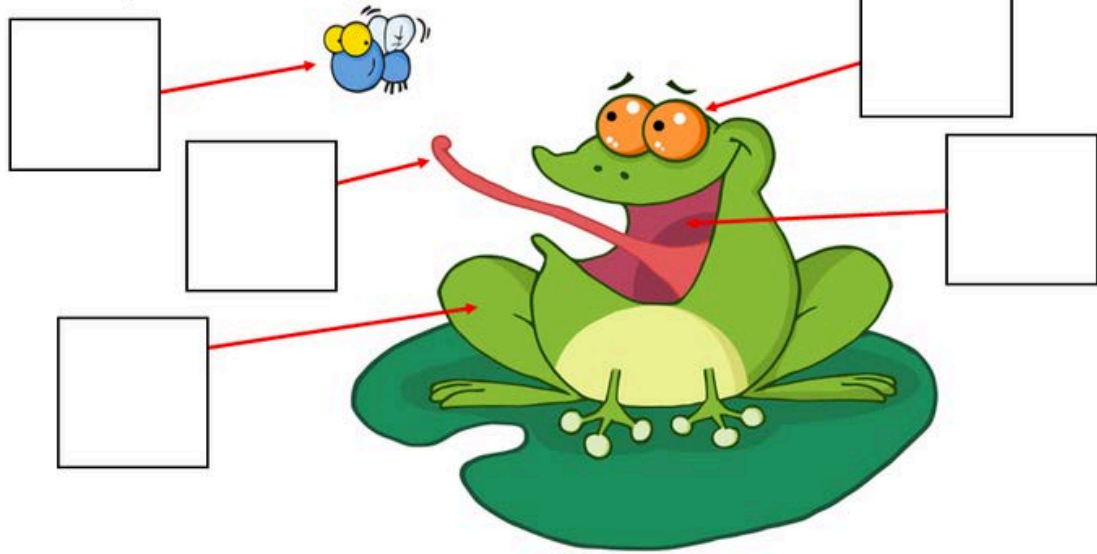


Cookie



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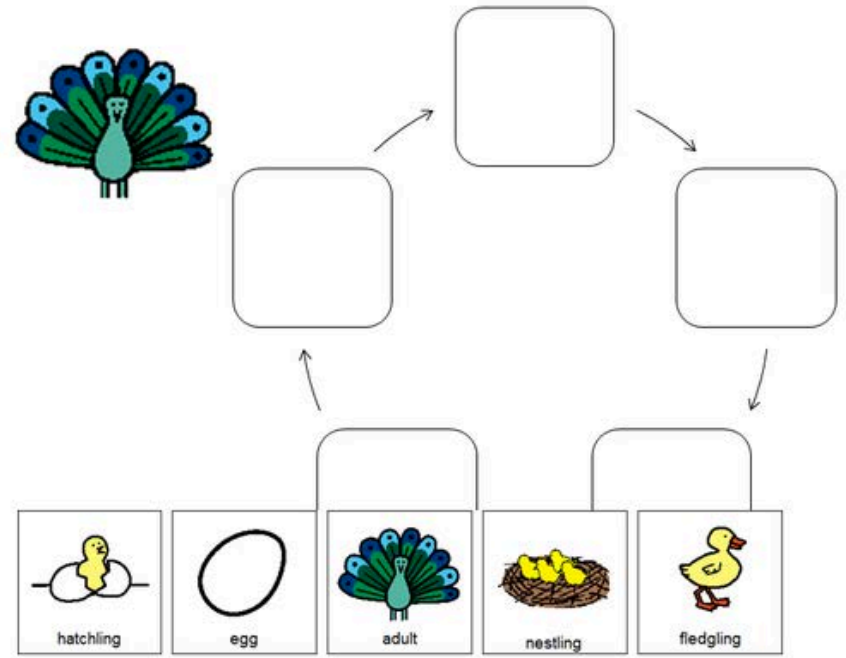
Label the parts of the frog.



# Individual activities

There is at least one worksheet activity for students to do daily.

Birds



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good for Earth	bad for Earth				
earth	trash	recycle	chop down trees	traffic	plant
Gaylord Nelson	promise	save water	pull weeds	oil in the ocean	big ships
reduce trash	pollution	protect forest	city	plant crops	learn in school
protect animals	protect beaches	reuse things	teach others	national park	keep rivers clean

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## Clouds

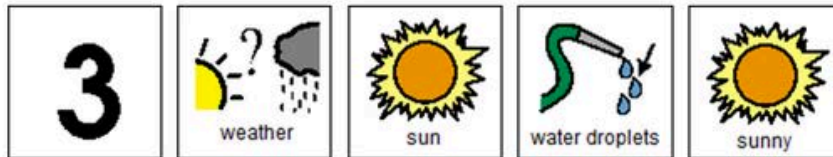
1. Clouds are one way to predict the .

2. The  reflects off the ice crystals in the cloud, making them look white.

3. There are  main types of clouds.

4. Clouds are actually made up of  that freeze.

5. We see cumulus clouds on a  day.



## Hurricanes

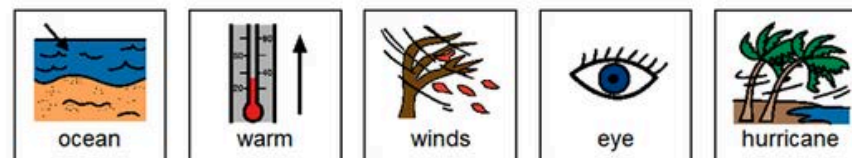
1. A  is an example of severe weather.

2. A hurricane has strong  and lots of rain.

3. Hurricanes form over the .

4. Hurricanes need  weather and water to form.

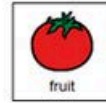
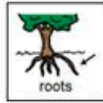
5. The center of the hurricane is called the  of the storm.



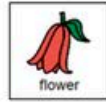
# Close worksheets

Most units include a quiz to assess if more teaching is needed before the final assessment.

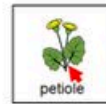
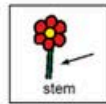
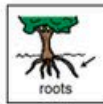
1. Which part of the plant is normally below the ground?



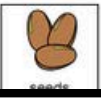
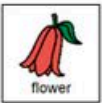
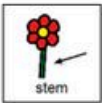
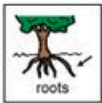
2. Which part of the plant is the food-making factory?



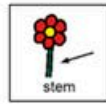
3. Which part of the plant can angle the leaves toward the sun?



4. Circle the parts of the shoot system.

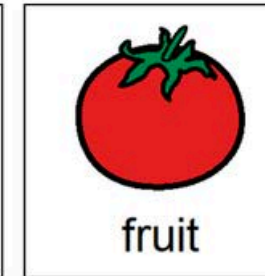
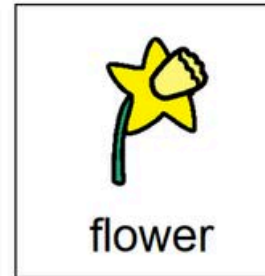
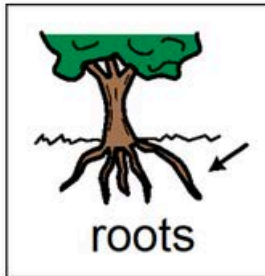


5. What is the reproductive organ of many plants?

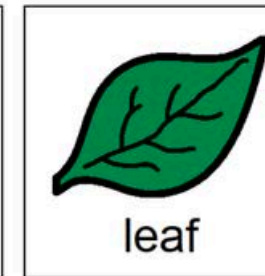


Print onto cardstock or mount on index cards. Cut pictures apart and show student answer choices for each question.

Q 1



Q 2



- Which part of the plant is normally below the ground?
  - roots
  - flower
  - fruit
- Which part of the plant is the food-making factory?
  - seeds
  - flower
  - leaf
- Which part of the plant can angle the leaves toward the sun?
  - roots
  - stem
  - petiole
- Circle the parts of the shoot system.
 

A. roots	D. flower
B. stem	E. fruit
C. leaf	F. seeds
- What is the reproductive organ of many plants?
  - node
  - stem
  - flower
- What grows where the flower used to be?
  - leaf
  - roots
  - fruit

# Assessment

The assessments  
come in 3 formats.

- All of these units include digital versions of the activities.
- These make great review tasks.
- There are 2 complete sets of slides. One set is differentiated using color.

**Make great independent learning centers.**



Watch the  
movie about  
insects.



# All About Insects

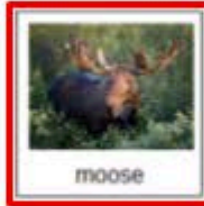
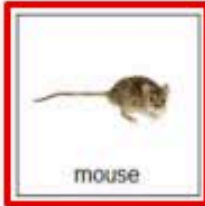
By  
Christa Joy

**The movie  
version of the  
book from the  
unit.**

Use for more review.



Sort the pictures into those animals that have antlers and those that do not.



The digital activities are click and drag.

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Perfect for any learning level.

Label the parts of the insect.

head

abdomen

legs

thorax

antennae

wings

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Each unit comes with a set of slides that are differentiated with color.

# NOTE: a few of these units are also found in the Middle/High School Science Curriculum

- Types of clouds
- Hurricanes
- Severe Weather
- Solar System
- Phases of the Moon
- Animal Adaptations: Gorillas and Tigers
- Life cycles
- Ocean Life
- Pollution and Conservation

**Still have questions?**

**Reach out at [specialneedsforspecialkids@gmail.com](mailto:specialneedsforspecialkids@gmail.com)**

**I will answer your question personally and promptly.**

