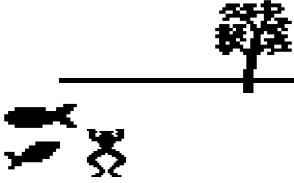





Expand Knowledge

Environment 	Technology /Physics 	Systems 	Discoveries 
---	---	--	---

Get It

Get It Clear

Get It Together

Get It Across

Organizing the Curriculum: Calendar of Science Learning

Grade	Environment Topic	Tech/Physics Topic	Systems Topic	Discoveries Topic
Pre-K				
K				
1				
2				
3				
4				
5				
6				
7				
8				

Focus on the BIG Question.

Science: Environment
Topic: Environment of _____
BIG question What are the important features of the environment of _____?
<i>What we will read to find answers</i> ✓ Our textbook ✓ _____
<i>What we will create to communicate our learning.</i> ✓ Maps we make of _____. ✓ A book showing the important parts of _____ and how each fits the environment ✓ A glossary

What's the difference between the grade levels?

The words make it clear.

Grade:
bird
fish
water
land

Grade:
region
interdependence
food web
biome
habitat

How do you know when a student knows ecology?

When the student has a working ecology vocabulary.

That means:

- ✓ The student knows the terms and what they mean.
- ✓ The student can apply these terms independently to explain the geography of a place.

How do you assess that knowledge?

- ✓ You can check the student's word bank
- ✓ You can read the student's writing about a place.
- ✓ You can read a student's labels for an illustration.
- ✓ You can analyze a student's illustrations.

Build Knowledge: WORD BANK

TOPIC: _____

1. As you learn about a topic, list words that help explain this topic.

--	--	--	--

2. Write each word on a small piece of paper.

3. Draw a picture or write an explanation for each word.

4. Then put your words into a Smart Pack.

A Smart Pack is an envelope in which you keep information about a topic.

5. Use these words to write about this topic to explain it to other students.

My Page about _____

Here are the most important words to know and what they mean.

Here are some important facts about _____.

Here is a description of _____.

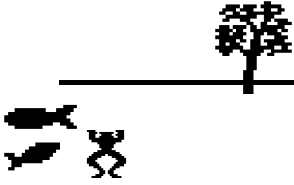



How do I plan the science unit?

Start by planning your year.

Choose a topic for each quarter.

List the key words that students should learn to understand that topic.

Then plan your quarter.

First Quarter	Second Quarter	Third Quarter	Fourth Quarter
<p>Environment</p> 	<p>Technology /Physics</p> 	<p>Systems</p> 	<p>Discoveries</p> 
<p>Topic:</p>	<p>Topic:</p>	<p>Topic:</p>	<p>Topic:</p>
<p>Words:</p>	<p>Words:</p>	<p>Words:</p>	<p>Words:</p>

Science: Environment

Topic:

Environment of _____

BIG question

What are the important features of the environment of

_____?

What we will read to find answers

✓ Our textbook

✓ _____

✓ _____

What we will create to communicate our learning.

✓ Maps we make of _____.

✓ A book showing the important parts of _____ and how each is important and how they fit together

✓ A glossary