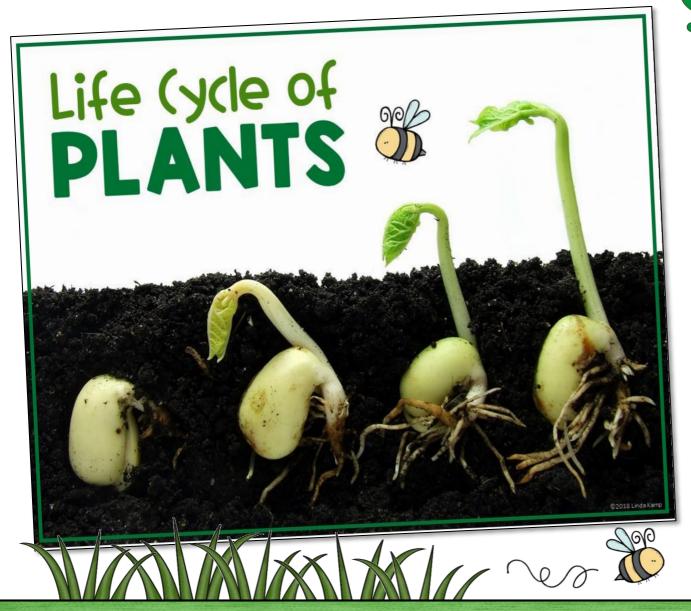
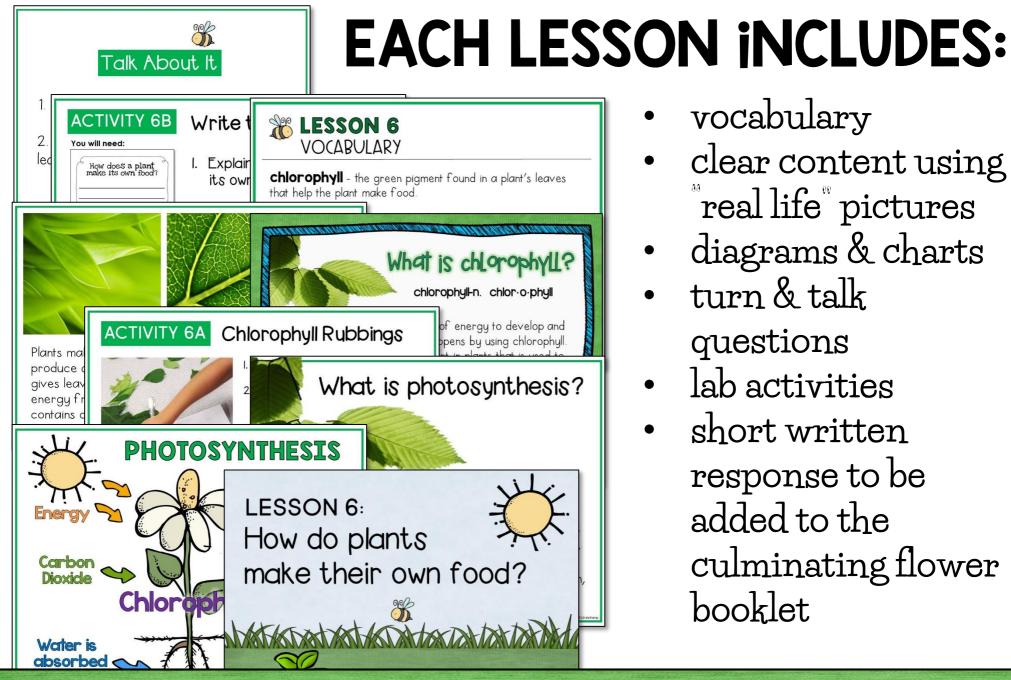
UNIT INCLUDES:



ENGAGING, CONTENT-RICH LESSONS:

Life Cycle Stages Parts of a Seed Parts of a Plant Plant Needs Germination Pollination Photosynthesis Plant Adaptations Seed Dispersal

9 Lesson Teaching Power Point



- vocabulary
- clear content using real life" pictures
- diagrams & charts
- turn & talk questions
- lab activities
- short written response to be added to the culminating flower booklet

ESSON



NONFICTION From Seed to Plant by Allan Fowler

The following are links to videos that support the lessons in the unit

LIFE OF PLANTS

by David Attenborough

PHOTOSYNTHESIS & CHLOROPHYLL

Photosynthesis Song

Why Do Leaves Change Color



The unit lessons are located in a separate Power Point File included in this download

LESSON 1: The Plant Life Cycle

LESSON 2: The Parts of A Seed Observing the Inside of A Seed

LESSON 3: The Parts of a Plant

LESSON 4: Plant Needs & Plant Adaptations:

What Do Plants Need to Grow?

LESSON 5: Chlorophyll

How Do Leaves Help a Plant Get Light?

LESSON 6: Photosynthesis

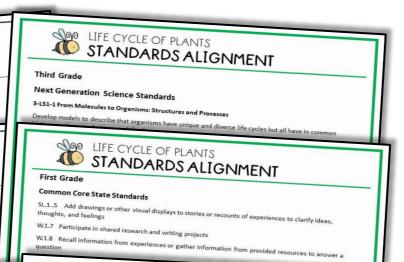
How Do Plants Make Their Own Food?

LESSON 7: Pollination

How Do Insects Help Plants Grow?

LESSON 8: Seed Dispersal How Do Seeds Travel?

LESSON 9: Plant Adaptations



LIFE CYCLE OF PLANTS LESSON PLAN/PACING GUIDE

Day	Objective	YPACING GUIDE		
,	Objective	Lesson/Lab/Activity		
Day 6	-Students will explore how different leaf shapes help a plant to get more or less sunlight.	Lesson 5: How Do Leaves Help A Plant Get Light?	Materials	
			-Teaching ppt. -leaf types picture cards -student recording	
		Activity 5A: Explore how leaves help a plant get light		
Day	-Students will understand how	Lesson 6: Har D. DI	sheet	
7	a plant makes its own food.	Lesson 6: How Do Plants Make Their Own Food?		
0		What is Chlorophull?	-Chlorophyll rubbing	

OF LIFE CYCLE OF PLANTS LESSON PLAN/PACING GUIDE

77	, The State Of DE		
Day	Objective	Lesson/Lab/Activity	
Day 1	-Introduce the plant life cycle -Introduce plant vocabulary -Students will illustrate and label the life cycle by using a graphic organizer.	Lesson 1: The Life Cycle of Plants Introduce the stages of the life cycle. -Activity IA. Draw the plant life cycle	Materials -Teaching ppt -Life Cycle of a Plant graphic organizer or A Plant's Life Cycle
Day 2	-Students will label the parts of a seed. -Students will germinate seeds.	Lesson 2: Observing the Inside of a Seed -Activity 2A Observe the inside of a seed	writing template -Teaching ppt -Parts of A Seed student page
DL	AY LES	Solds Nocabilary	fc A ho es
3	Students will observe and record changes as a seed grows by making an observation journal.	Lesson 2 Continued: Observing Changes as a Seed Grows -Activity 2C. Germinate a seed	-Teaching ppt. -Seed Observation Journal

-Activity 2D. Observe and record -Vocabulary Booklet changes as the seed grows -Students will label the parts of Lesson 3: Parts of a Plant a plant by using a graphic Identify and define the purpose of Teaching ppt. the parts of a plant.

Aligned to Next Generation Science Standards

Common Core State **Standards**

and

for grades 1-3



Detailed lesson plans



PLANS INCLUDE:

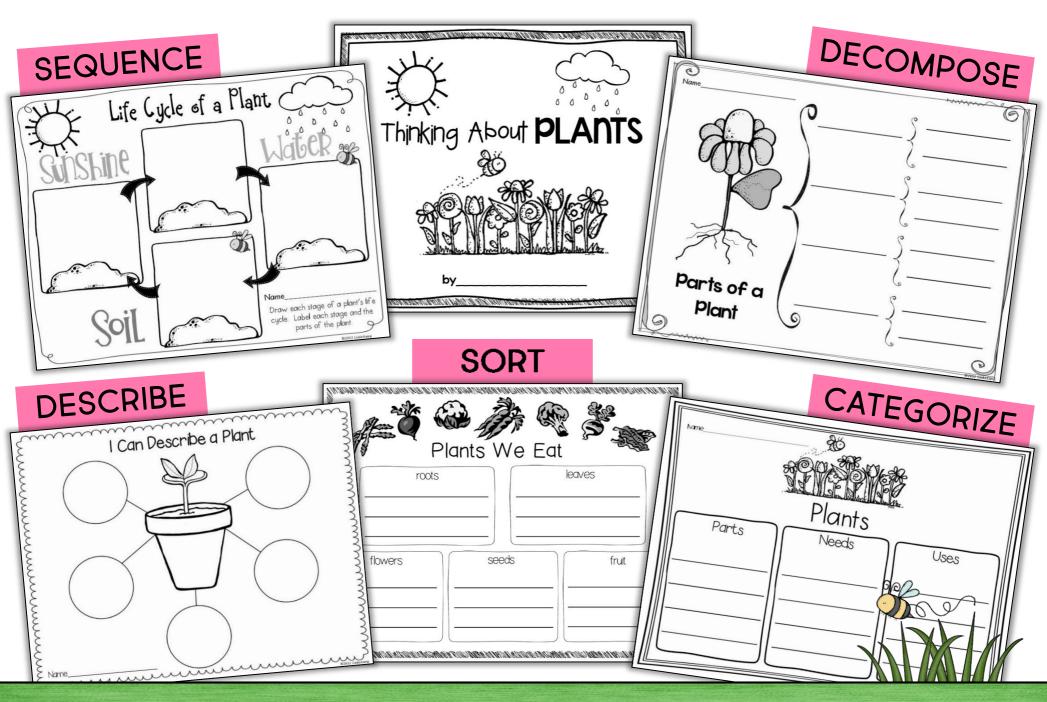
- Standards
- Objectives
- Written response activities
- Performance tasks
- Lesson procedures
- Teacher notes
- Materials lists



Detailed lesson plans



Teacher's Notes & Management Tips



Graphic Organizers











Students EXPLORE, OBSERVE, BUILD & SIMULATE



4 engaging science experiments

Hands-on learning labs



simulates an insect pollinating a flower

Materials per student:

1 die cut flower (or flower card) 1 small juice box 3 or 4 cheese puffs



Lab Activity 2B LABELING THE PARTS OF A SEED

Objective: Students will use a hand lens to observe and label the inside of a seed

1 soaked lima bean (soak for 20-30 min.) 1 paper towel hand lens Parts of a Seed recording sheet

Parts of a Seed lesson *OPTIONAL-document camera

1. Have students carefully open the soaked seed by wedging their fingernail between the most curved sides





Objective: Students will germinate seeds to observe

and record changes as the seed grows.

a few drops of bleach (optional)

seed observation journal with 6-8

Materials:

1-2 lima beans

a spray bottle of

recording pages

a sandwich size bag

Objective: Students will measure, make predictions, and observe the inside of a

Materials per student:

2 lima beans-1 dry, 1 soaked

beans f good



Lab Activity 8A SEED DISPERSAL:
BUILD AN EXPLODING SEED POD

Objective Students will build a model that simulates





Objective: Students will press leaves to extract a a chlorophull leaf rubbing

Lots of green leaves (thinner skin 1 metal spoon per student A class set of tree trunk student

so it is flat and facing down Fold paper over the leaf.

Press firmly against the paper u metal spoon. Rub the spoon vigo the paper. The leaf's chlorophull paper





Objective: Students will learn how different leaf shapes help a plant



Projectable chart or leaf picture cards

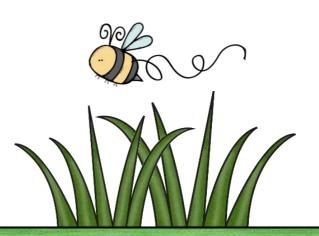
- Project the esson isual comme following page or use the pictures in
- Discuss with students the different shapes and textures of various types of plant's leaves. Ask students to think about how different tupes of



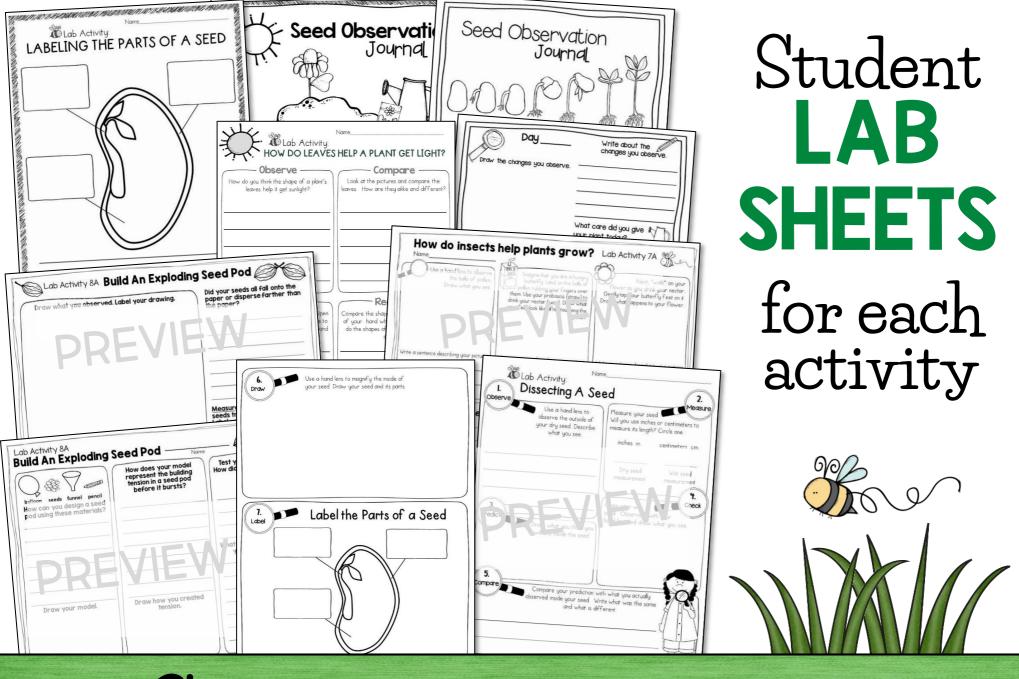


LAB **ACTIVITY** CARDS

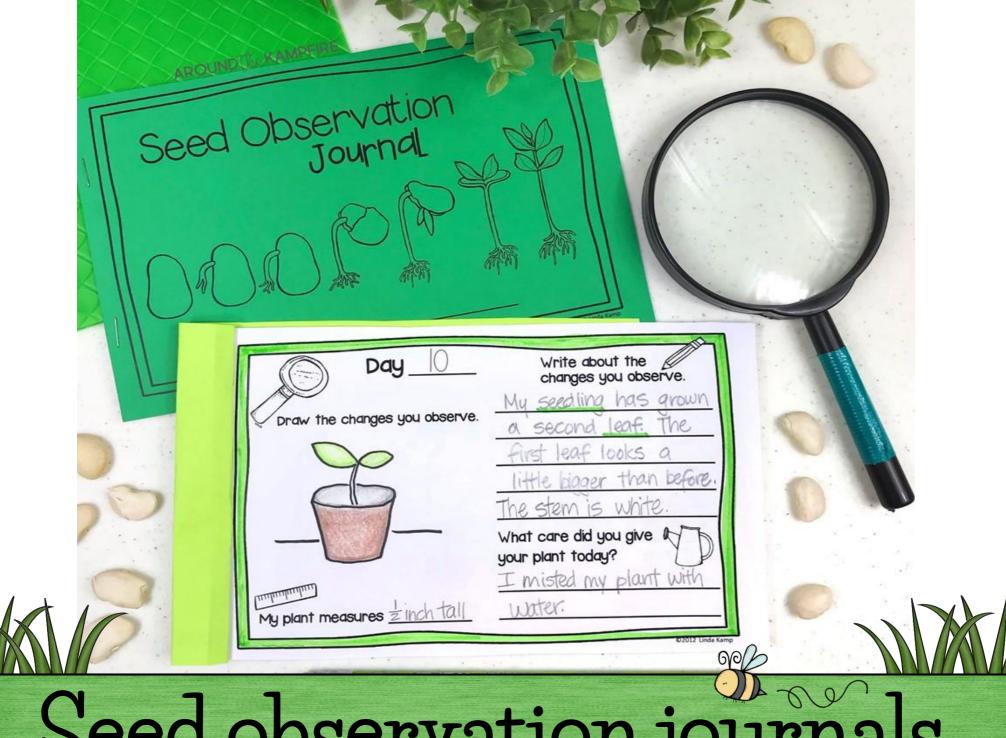
for each lesson



Easy prep with simple materials



Science experiments



Seed observation journals



Foldable flower booklet



Students complete written **response activities** after each lesson to add to the foldable flower booklet.

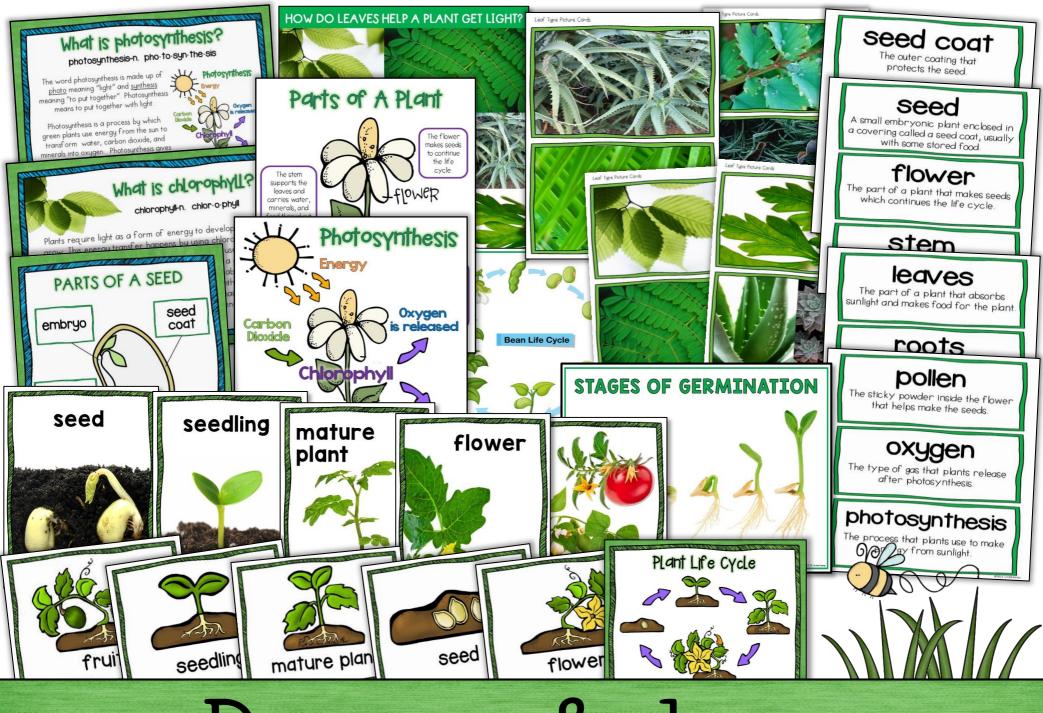
Writing about science

carbon dioxide

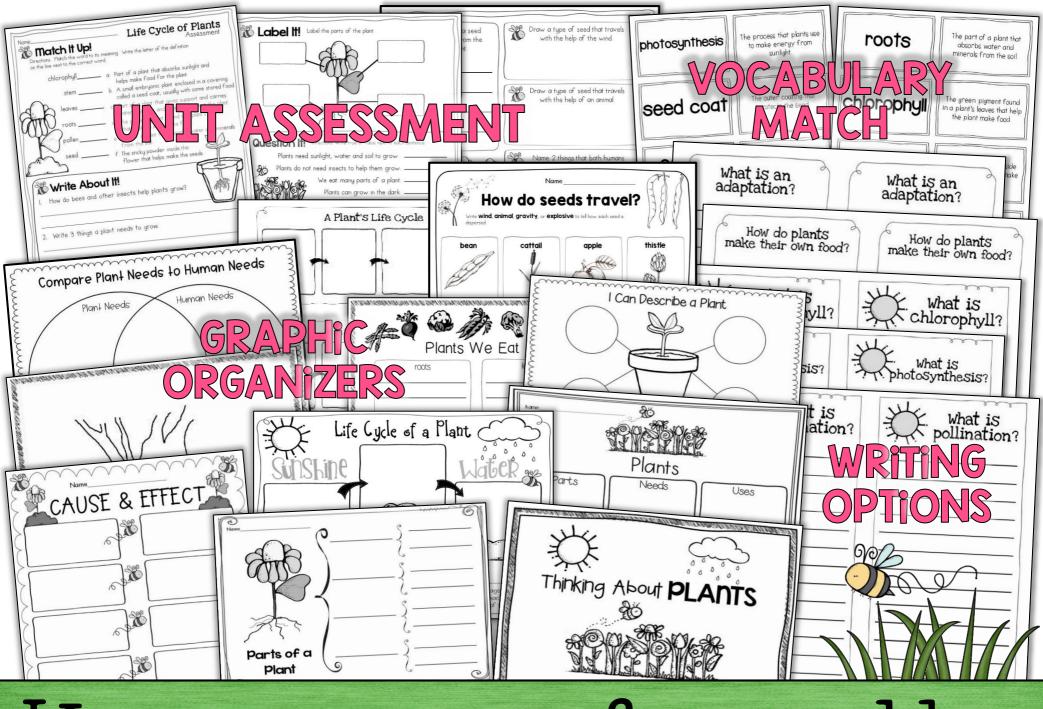
glucose energy photosynthesis



Lesson response activities



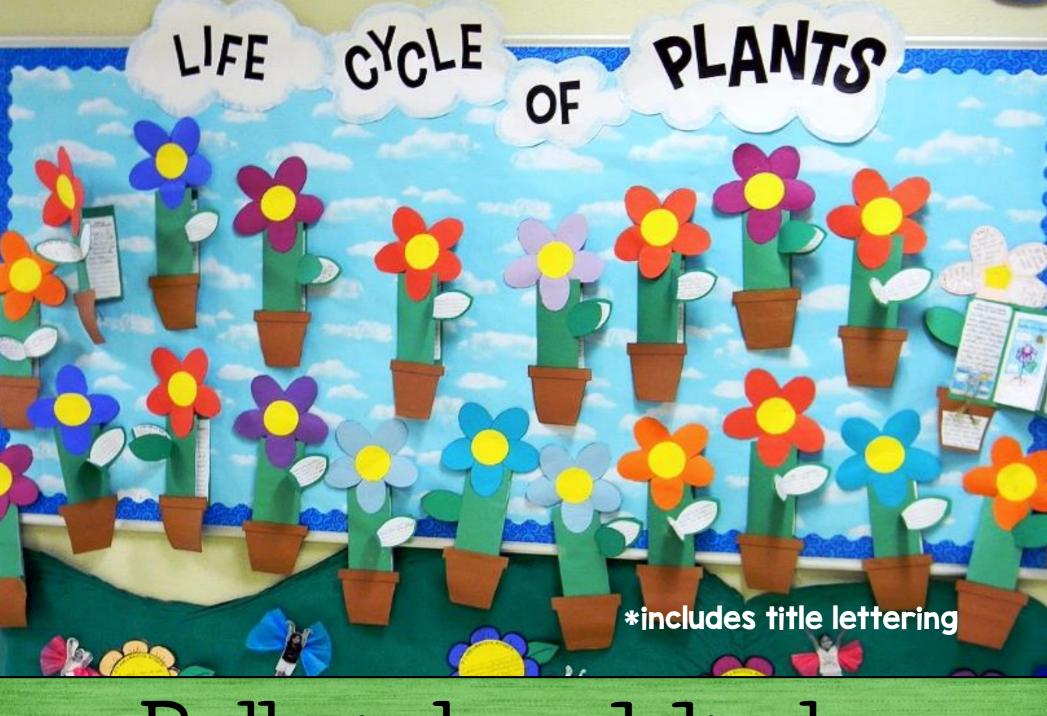
Diagrams & charts



Unit assessment & printables

Chlorophyll Paintings SHIOROPHYII RUBBING

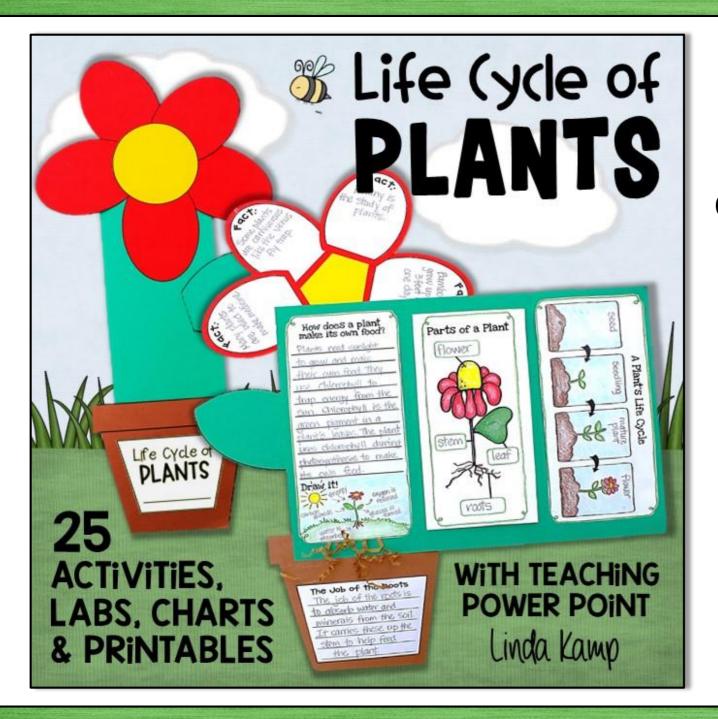
Science-based art project



Bulletin board display



Complete science unit



Everything you need to easily PLAN, PREP, and TEACH an engaging & effective science unit.

