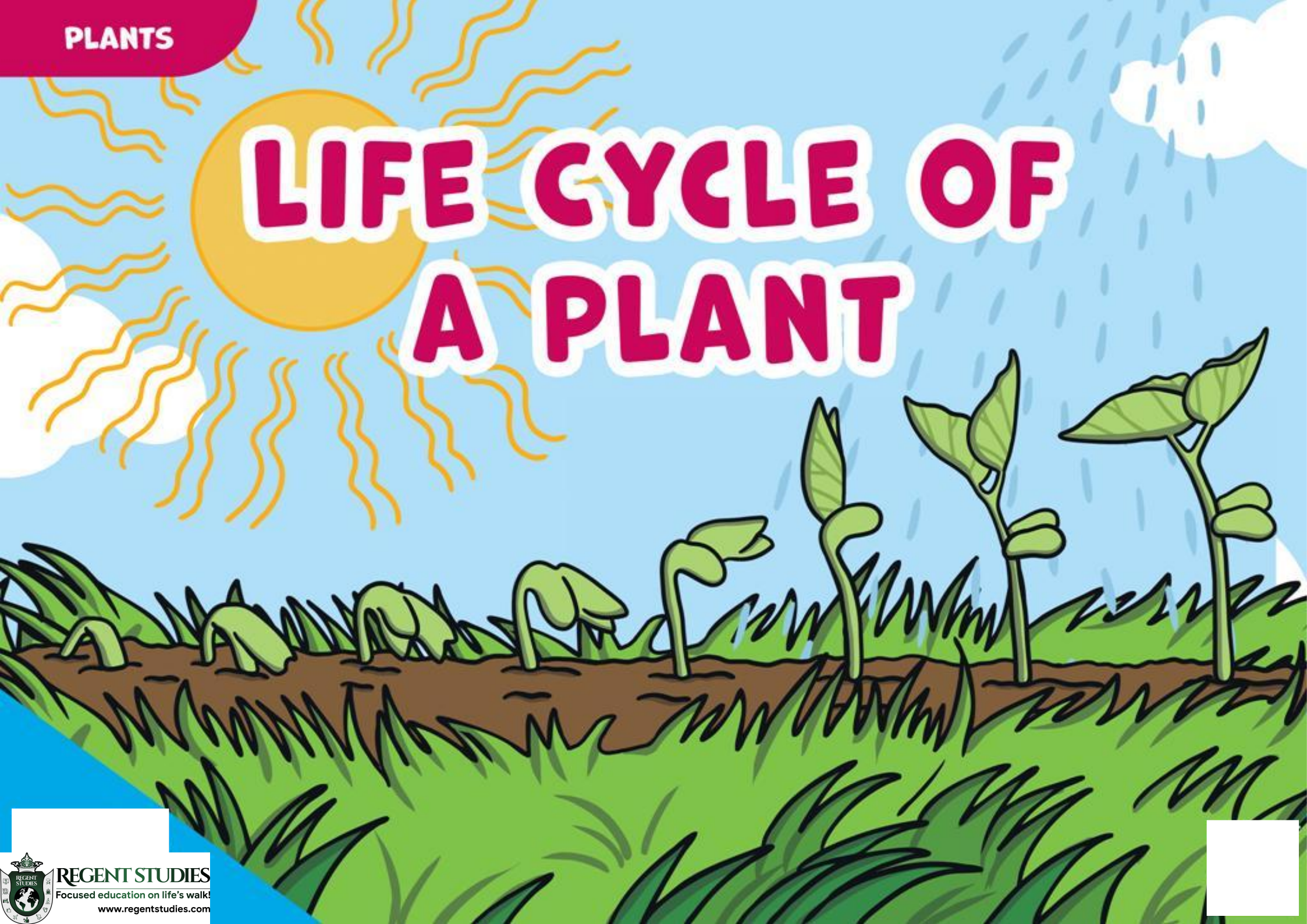
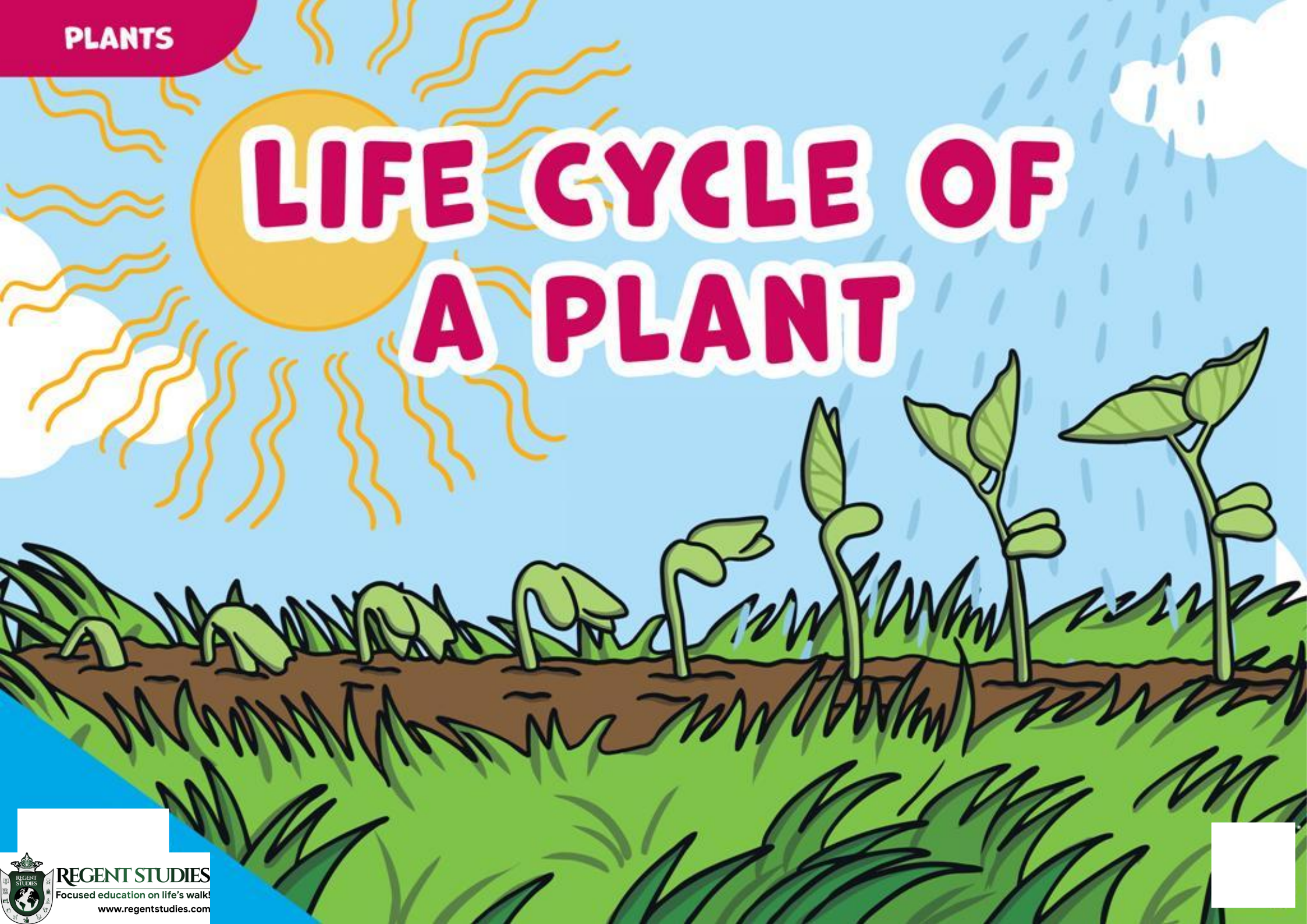


LIFE CYCLE OF A PLANT



LIFE CYCLE OF A PLANT



Meet Quizby!

Can you spot me in the
Lesson Presentation?

The questions that appear will help you to think about the key learning throughout the lesson.



Aim

- To describe the life cycle of a plant.

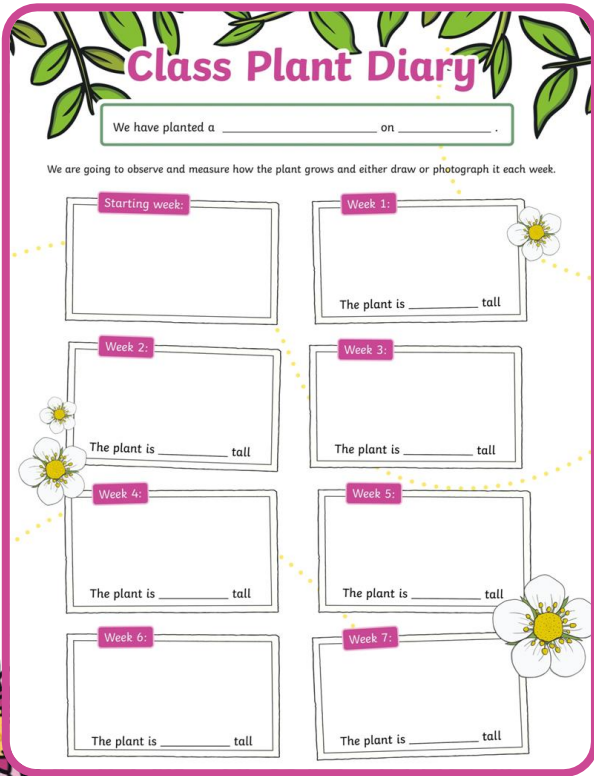
Success Criteria

- I can explain how a plant changes as it grows.
- I can put the stages of a plant's life cycle in order.
- I can say which stage of its life cycle a plant is in.



Remember It

Let's look at our class plant and see how it is growing. We can measure its growth and draw or photograph it for our **Class Plant Diary** from Lesson 1!

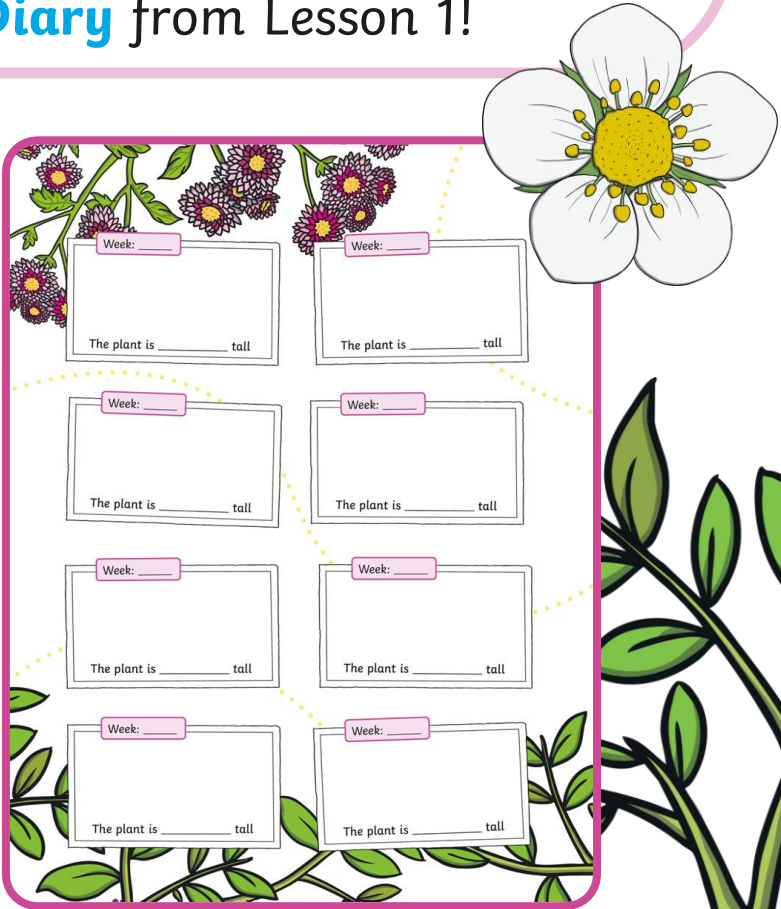


Class Plant Diary

We have planted a _____ on _____.

We are going to observe and measure how the plant grows and either draw or photograph it each week.

Starting week: [] The plant is _____ tall	Week 1: [] The plant is _____ tall
Week 2: [] The plant is _____ tall	Week 3: [] The plant is _____ tall
Week 4: [] The plant is _____ tall	Week 5: [] The plant is _____ tall
Week 6: [] The plant is _____ tall	Week 7: [] The plant is _____ tall



Class Plant Diary

Week: [] [] The plant is _____ tall	Week: [] [] The plant is _____ tall
Week: [] [] The plant is _____ tall	Week: [] [] The plant is _____ tall
Week: [] [] The plant is _____ tall	Week: [] [] The plant is _____ tall
Week: [] [] The plant is _____ tall	Week: [] [] The plant is _____ tall

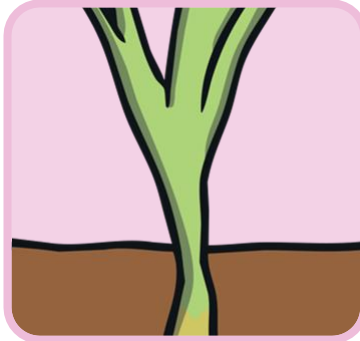


Remember It

Can you match the part of the plant to its name?



roots



stem



fruit



leaves



flower

stem

leaves

Can you tell your partner what
any of these parts are used for?

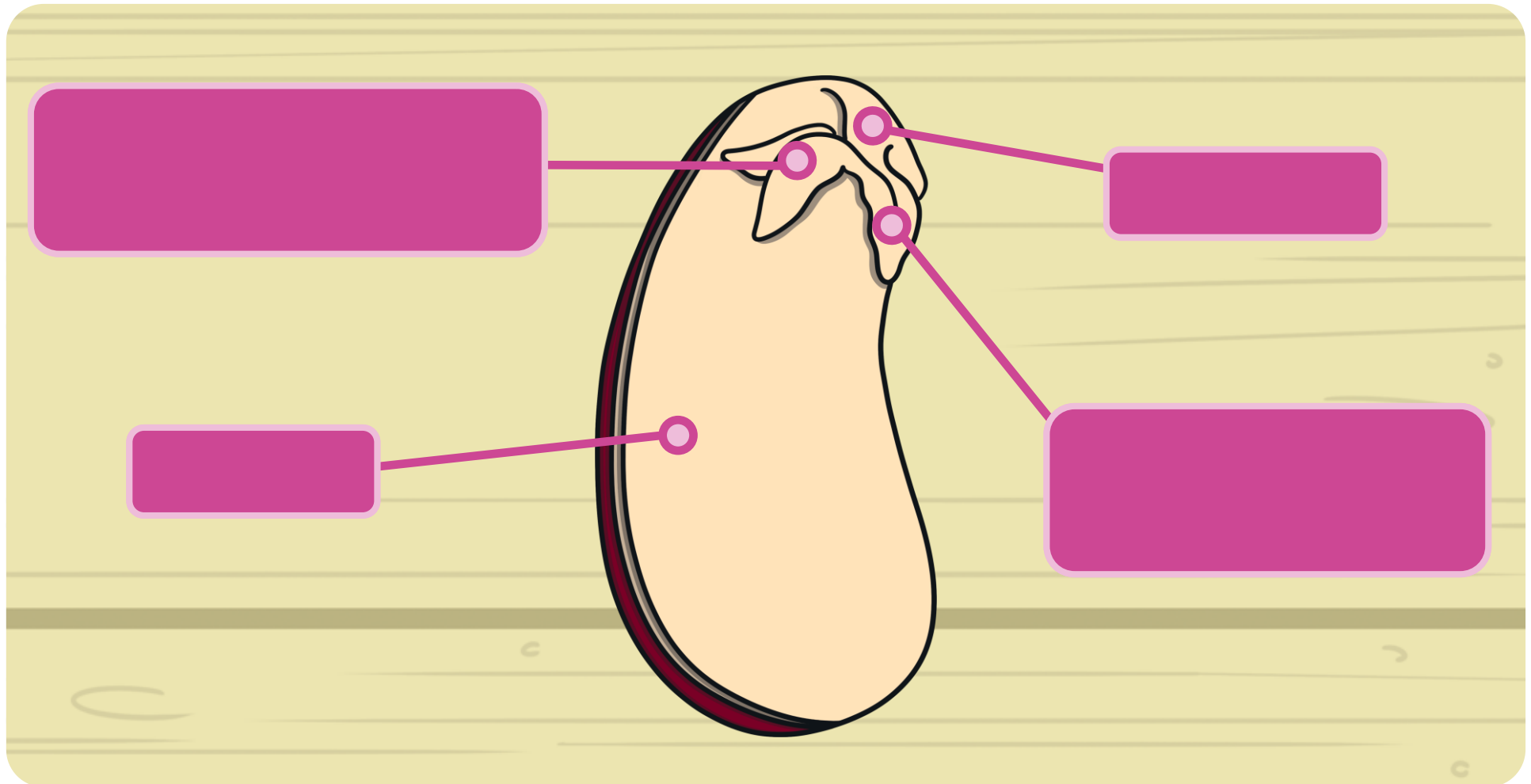
fruit

flower

roots

Remember It

Here is the inside of a seed. Can you explain what each part is?

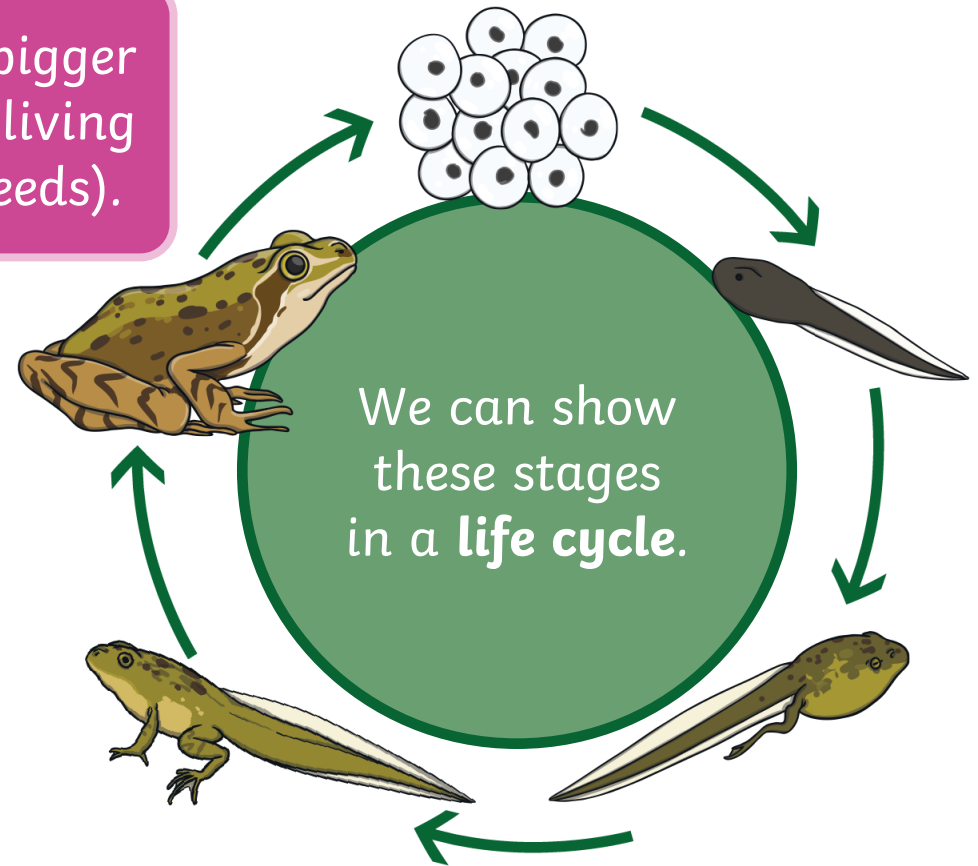


Life Cycles

We have learnt that all types of living things have some things in common.

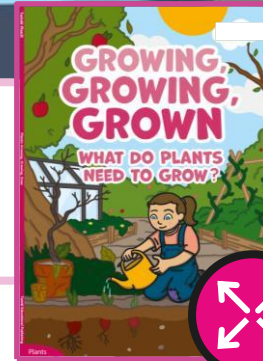
They all start to grow. They all grow bigger as they get older. They all create new living things (by having babies or making seeds).

How is this life cycle of a frog **similar** to the life cycle of any other living things?



Growing, Growing, Grown

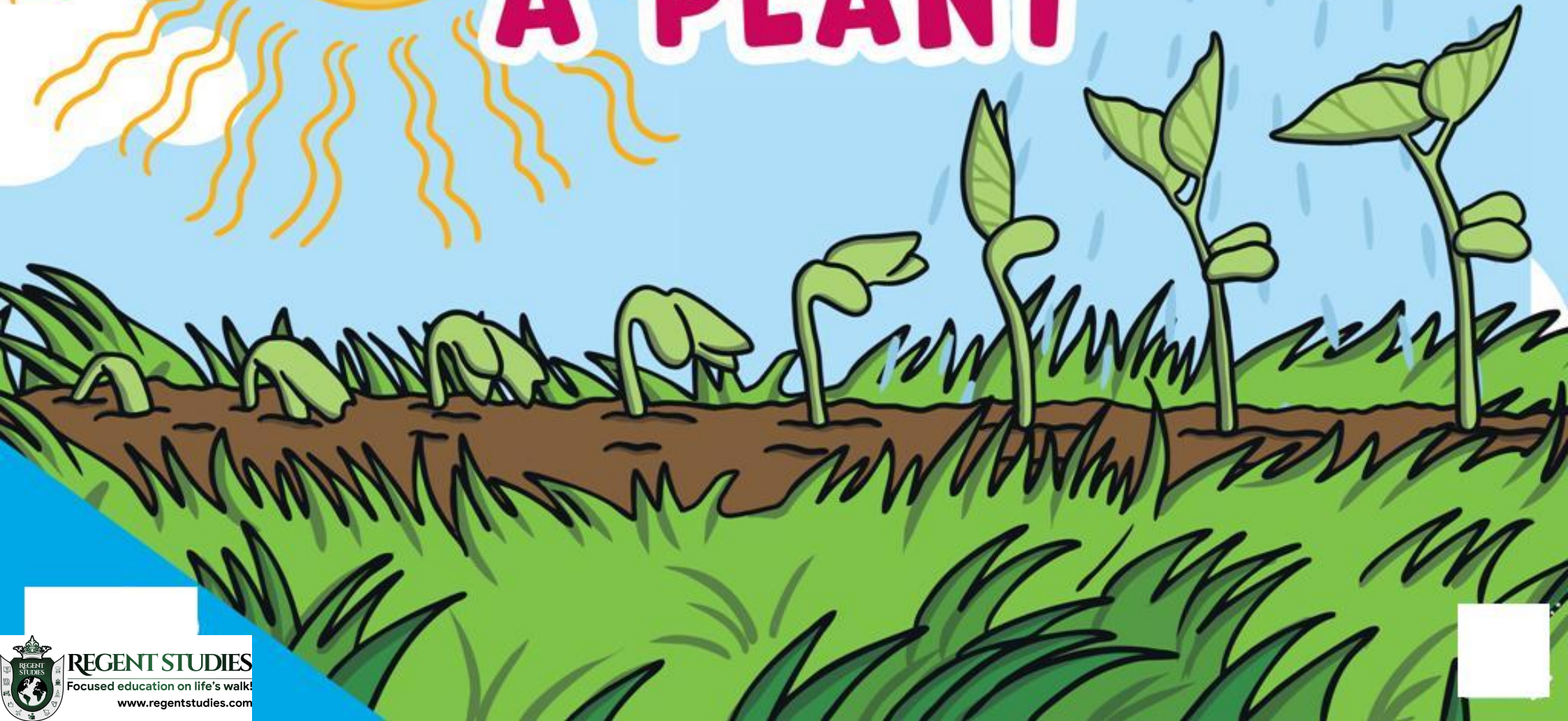
Let's learn more about **plant life cycles** in the **Growing, Growing, Grown eBook**.



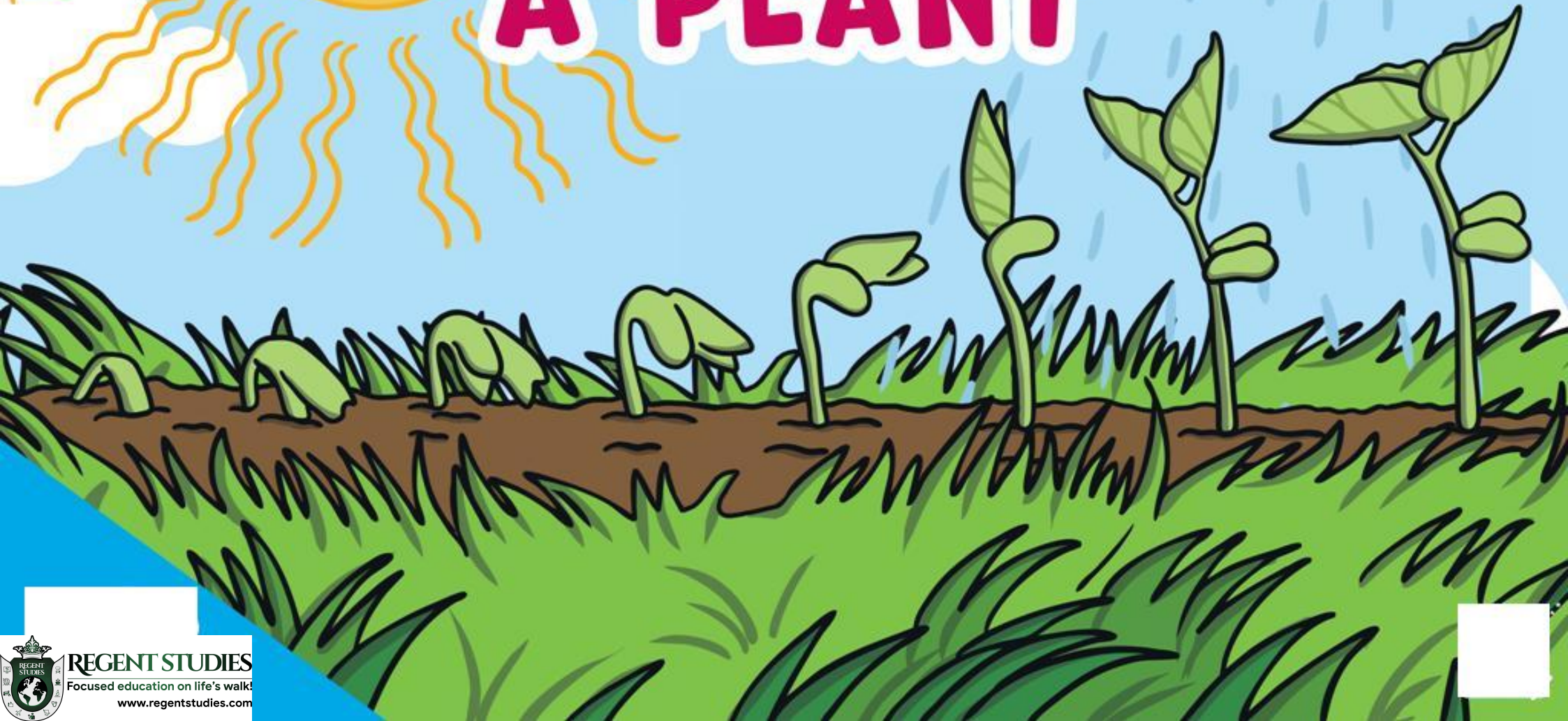
Let's read up to the end of page 18 together.



LIFE CYCLE OF A PLANT



LIFE CYCLE OF A PLANT

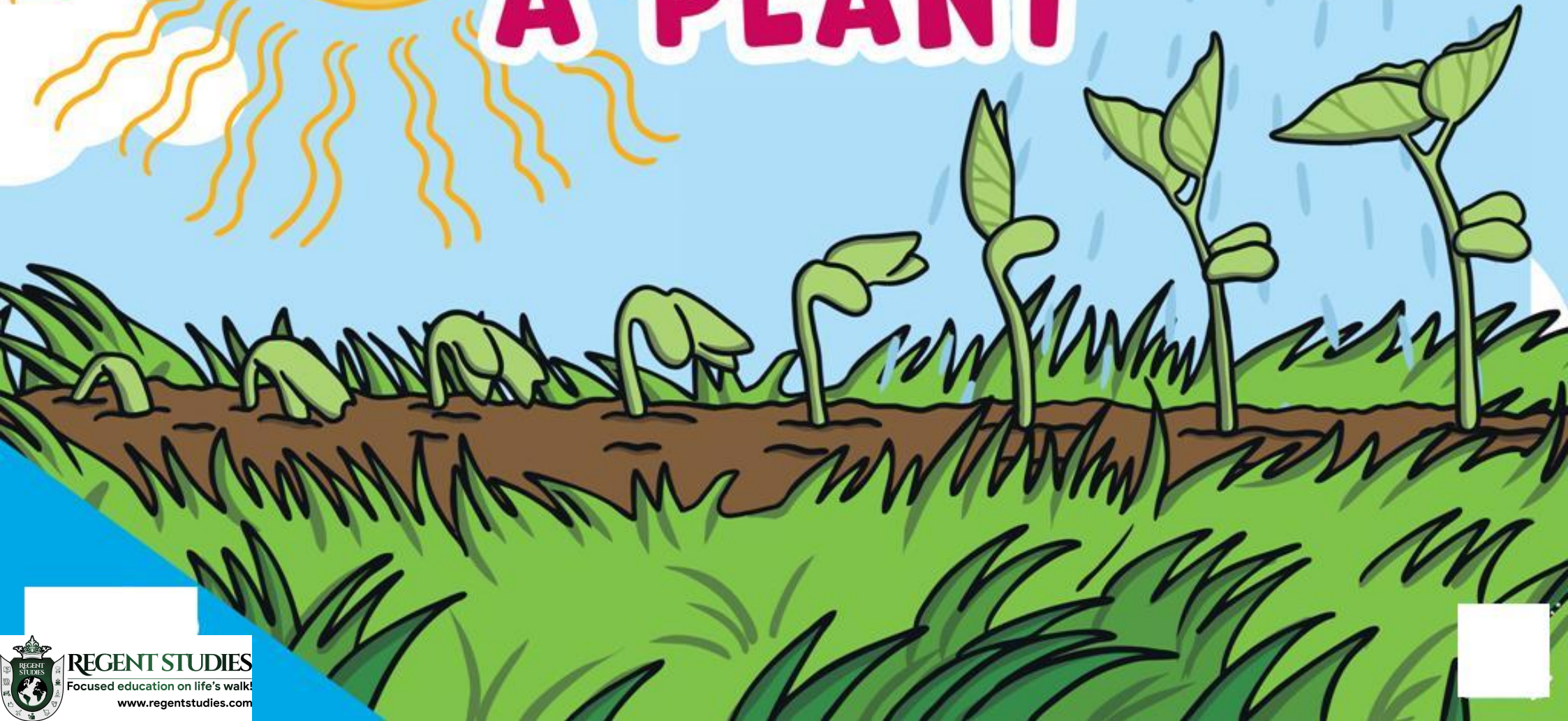


More About Germination

This video shows some seeds **germinating** over hours and days. It has been sped up, so that you can see how the **shoot, roots** and **leaves** begin to grow.



LIFE CYCLE OF A PLANT



Life Cycle of a Bean Plant

Complete the **Life Cycle of a Bean Plant Activity Sheet**.

Life Cycle of a Bean Plant

To describe the life cycle of a plant.

Cut out the pictures to complete the bean plant life cycle.

1 2 3 4 5 6 7 8

Bean

Leaves

Fruit

Challenge!

Can you explain what happens during these stages of the plant's life cycle? Use the word bank to help you.







Word Bank

conditions water roots shoots grow
bees stem leaves light food seeds



Which Stage of its Life Cycle?

Which of these plants do you think is **younger**?
Explain how you know.



Which Stage of its Life Cycle?

Look at the plants below. Use what you know about life cycles to decide which stage of its life cycle each of these plants is in. Explain how you know.

1.



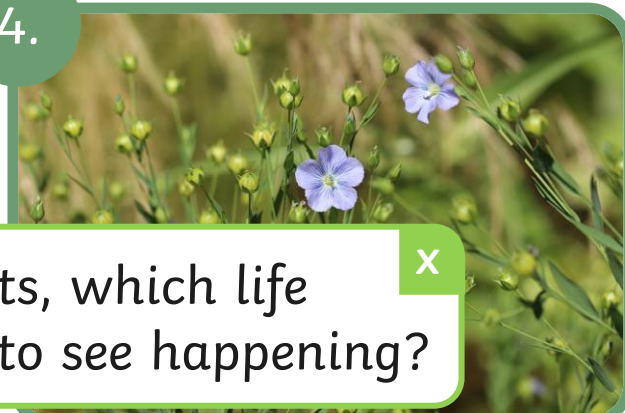
2.



3.



4.



When we make **observations** of plants, which life cycle stage is it more difficult for us to see happening?

X

Aim



- To describe the life cycle of a plant.


Success Criteria

- I can explain how a plant changes as it grows.
- I can put the stages of a plant's life cycle in order.
- I can say which stage of its life cycle a plant is in.





















Plants: Life Cycle of a Plant

Aim Observe and describe how seeds and bulbs grow into mature plants. To describe the life cycle of a plant.		Lesson Duration All timings are approximate.	
Success Criteria I can explain how a plant changes as it grows. I can put the stages of a plant's life cycle in order. I can say which stage of its life cycle a plant is in.	Key Vocabulary Life cycle, seed, germination, conditions, shoot, roots, leaves, flowers, fruit, seed dispersal.		
Standard School Equipment None	Preparation Lesson Pack Life Cycle of a Bean Plant Activity Sheet - one per child		

Prior Learning: In the previous lesson, children learnt about the inside of a seed and what the seed needs to begin to germinate.

Learning Sequence

	Remember It: As a class, look at the class plant and record its growth in the Class Plant Diary . Use the Lesson Presentation to recap seeds and the parts of a plant.	
	Life Cycles: Using the Lesson Presentation , discuss the meaning of the term 'life cycle'. Look briefly at the life cycle of a frog on the Lesson Presentation and explain that all living things have their own life cycle.	
	Growing, Growing, Grown: Read pages 11-14 of the Growing, Growing, Grown eBook together to learn about and compare plant life cycles.	
	Life Cycle of a Plant: Show the children the life cycle of a bean plant again. Use the Lesson Presentation to discuss each stage of the life cycle with the children, by clicking each stage to learn more about it. Can the children explain how a plant changes as it grows?	
	More About Germination/More About Seed Dispersal: These slides of the Lesson Presentation can be used to explore more information about the processes of germination (including a time-lapse video) and seed dispersal.	
	Life Cycle of a Bean Plant: Children complete the Life Cycle of a Bean Plant Activity Sheet . Can the children correctly order the life cycle of a bean plant? Can they explain what is happening during each stage of the cycle?	
	<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 5px; width: 30%;">  <p>With support, children complete the life cycle of a bean plant using the Life Cycle of a Bean Plant Activity Sheet.</p> </div> <div style="border: 1px solid black; padding: 5px; width: 30%;">  <p>Children complete the Life Cycle of a Bean Plant Activity Sheet. Children explain what is happening at some stages of the life cycle.</p> </div> <div style="border: 1px solid black; padding: 5px; width: 30%;">  <p>Children complete the Life Cycle of a Bean Plant Activity Sheet. Children use the images on the activity sheet to try to identify which stage in its life cycle each plant is at.</p> </div> </div>	
	Which Stage of its Life Cycle? Using the Lesson Presentation , show the children the photographs of plants. Do they know which is younger? Can the children explain which plant they think is older or younger and give reasons for their opinion? Now, ask the children to look at the photographs of the next set of plants. In pairs, ask them to decide which stage in its life cycle each plant is at. Can the children explain where they think each plant is in its life cycle? Can they explain their ideas?	

Explore it

Research it: Children investigate the life cycles of other plants, using secondary sources such as books, eBooks and (with adult supervision) child-friendly websites.

Observe it: Children observe how plants in the school environment grow and change throughout the year. They could keep records, including photographs and/or drawings, of their observations.

Reason it

Children discuss **Reasoning Card 3 Life Cycle of a Plant**. Children explain the different stages of a plant's life cycle.

Assessment**Scientific Knowledge****Working Towards the Expected Level**

With support, children can order the life cycle of a plant.

Children:

Working At the Expected Level

Children can order the life cycle of a plant and begin to explain what happens at each stage.

Children:

Working At Greater Depth

Children can order the life cycle of a plant and explain what happens at each stage. They can use what they know about a plant's life cycle to suggest which stage a plant is at in its life cycle.

Children:

Aim: To describe and compare plants, seeds and bulbs.				Date:					
				Delivered By:			Support:		
Success Criteria	Me	Friend	Teacher	T	PPA	S	I	AL	GP
To describe the life cycle of a plant.				Notes/Evidence					
I can explain how a plant changes as it grows.									
I can put the stages of a plant's life cycle in order.									
I can say which stage of its life cycle a plant is in.									
Next Steps									
<ul style="list-style-type: none"> _____ _____ 									

T	Teacher	I	Independent
PPA	Planning, Preparation and Assessment	AL	Adult Led
S	Supply	GP	Guided Practice

Aim: To describe and compare plants, seeds and bulbs.				Date:					
				Delivered By:			Support:		
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Next Steps									
<ul style="list-style-type: none"> _____ _____ 									

PPA	Planning, Preparation and Assessment	AL	Adult Led
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