

Testing Materials

Standard: 2-PS1-2 Test materials to find which one is best for a job

Test 1: Which Towel Wins?

Put 2 spoons of water on a plate. Lay a square on it for 10 seconds. Lift it. Count the spoons of water left.

Material	My prediction: good, OK, or poor?	Spoons of water left
paper towel		
napkin		
tissue		
coffee filter		
newspaper		

1. A fair test keeps things the same. Circle what we kept the same: size of square
amount of water time color

Test 2: Tiny Umbrella

Put 10 drops of water on each umbrella. Is the paper person dry, damp, or wet? Then rank them (1 = best umbrella).

Umbrella material	Dry, damp, or wet?	Rank (1–4)
wax paper		
foil		
plastic bag		
paper towel		

What Did the Tests Show?

2. The _____ is best for a spill because it left only _____ spoons of water.

3. For an umbrella I would choose _____ because _____.

4. The paper towel was best for a spill but worst for an umbrella. Why?

Properties of Matter Review

Standard: 2-PS1-3, 2-PS1-1 Build new things from small pieces; describe matter by its properties

Part A: Same Pieces, New Object

Use the same 20 blocks. Build each object, count the blocks, then take it apart.

Object I built	Blocks I counted	Did I add or lose any?
tower		yes / no
bridge		yes / no
house		yes / no

Draw two things you built with the same blocks.

Object 1	Object 2

1. The pieces stayed the same, but the _____ changed.
2. Once paper is cut into 12 pieces, can it be one sheet again? Can the pieces be moved into new shapes?

Part B: Unit Review

3. Name three properties of a sponge.

4. What does heat do to ice?

5. Name one change you cannot undo.

6. Which material was best for an umbrella? Why?

What Plants Need

Standard: 2-LS2-1 Plan and test whether plants need water and sunlight to grow

Seeds in Bags

Predict which bag will sprout. Check the bags on Wednesday and Friday. Write what you see: no change, swollen, root tip, or shoot.

Bag	Water?	Light?	Will it sprout? (yes / no)	What I see Wednesday	What I see Friday
A	yes	yes			
B	yes	no			
C	no	yes			
D	no	no			

Label a Seedling

Draw your biggest sprout. Label the seed coat, root, and shoot.

What Do Plants Need?

Plants need five things. Write the need that matches each clue. Word bank: sunlight water air nutrients space

It makes leaves green and strong.		Food from the soil.	
Roots drink it up.		Room for roots and leaves to grow.	
Leaves take it in from all around.			

1. I think plants need water because _____.

2. Which soil cup will be greener next week: the window cup or the cupboard cup? Why?

Plant & Animal Structures

Standard: 2-LS4-1, 2-LS2-1 Plant and animal parts have jobs that help them survive

Part A: Plant Parts and Their Jobs

Write the job of each part. Word bank: catch sunlight carries water drink water from soil
makes seeds

Part	Job
roots	
stem	
leaves	
flower	

Part B: Celery Straws

My prediction: Where will the colored water go?	Result: Where did the color go?

Part C: Beak Tools

Make a tally mark for each piece a beak picks up in 30 seconds. Circle the best beak for each food.

Beak	Seeds (rice)	Worms	Fish (grapes)	Nectar
tweezers				
spoon				
clothespin				
straw				

1. A _____ beak is good for _____.

2. Why does the shape of a beak matter?

3. Design an animal that eats seeds hidden inside pine cones. What beak and feet would it have? Why?

Weeks 5–8: Vocabulary and Big Ideas

Standard: 2-PS1-2, 2-PS1-3, 2-LS2-1, 2-LS4-1 Words for testing materials, building, and plants and animals

Word Bank

material fair test pieces sunlight nutrients roots stem leaves beak survive

Match It

Read each clue. Write the word from the word bank that matches.

Clue	Word
1. What something is made of, like foil or cloth	
2. A test where everything stays the same but one thing	
3. Small parts that can build something bigger	
4. Plant parts that drink water from the soil	
5. The plant part that carries water up, like a straw	
6. Plant parts that catch light	
7. The part of a bird's mouth that grabs food	
8. Food for plants that comes from the soil	

Fill in the Blank

9. A plant in a dark cupboard is missing _____.

10. Roots, beaks and feet help living things _____.

Explain It

11. Why is a paper towel a good material for a spill but a poor material for an umbrella?
Use the word property.

Weeks 5–8: My Reflection

Standard: 2-PS1-2, 2-PS1-3, 2-LS2-1, 2-LS4-1 Think about what you learned about materials and living things

Read each sentence. Put a check in the box if you can do it.

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Week 5: I can run a fair test to find the best material for a job.

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Week 6: I can build new objects from the same small pieces.

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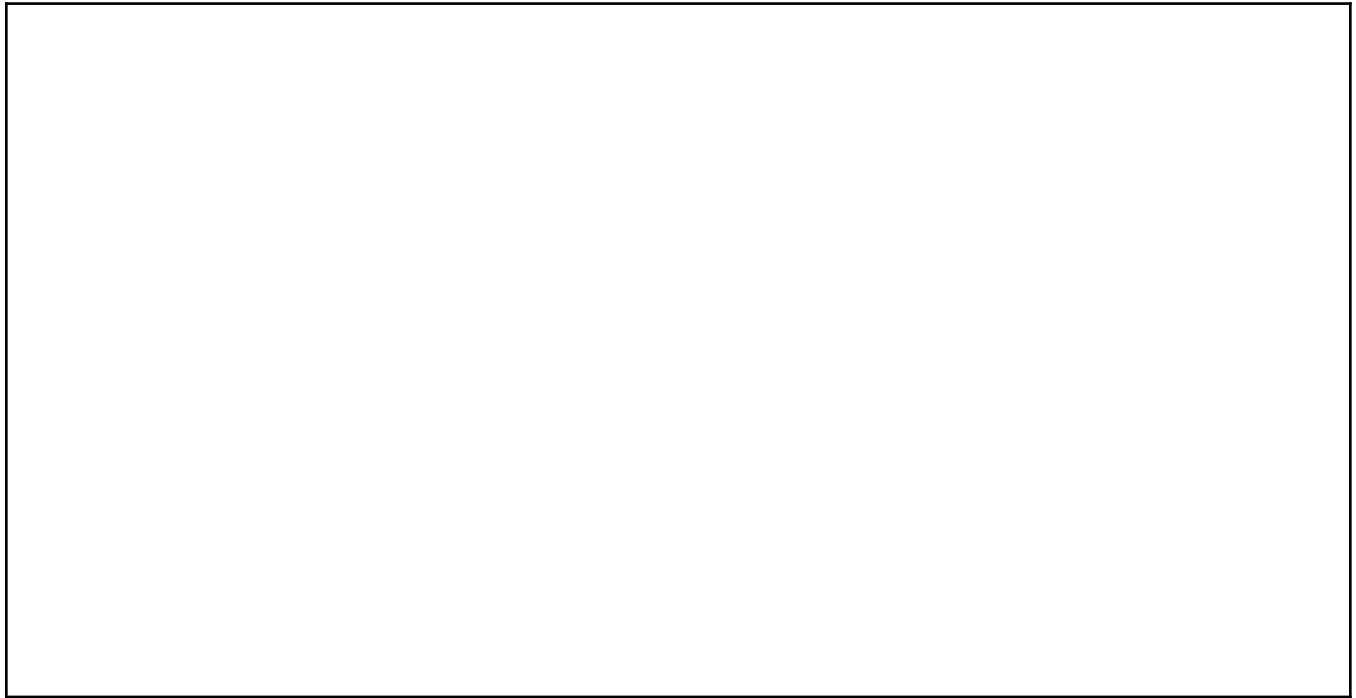
Week 7: I can tell what plants need to grow.

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Week 8: I can name plant and animal parts and tell their jobs.

My Favorite Thing I Learned

Draw the investigation you liked best. Label your drawing.



Write about your drawing. What did you learn?
