Wilsonville Public Library
FOUNDATION

Financial support for this Summer Science Program comes from the Wilsonville Public Library Foundation. Thank you, Foundation!

Greetings-
Let's explore science--Pick **10 activities!**

This guidebook shows you simple science experiments that anyone can do. After doing a science activity, mark it off on your science log. Try ten activities, then return the science log to the library for a prize.

Need additional ideas? Please visit our Youth Services librarians.

Don't forget... Science programs at the library count too!

Stack blocks

How tall can you build?
How can you change the shape to make a tower more stable?
Which tower shapes are the strongest?

Hand shadows

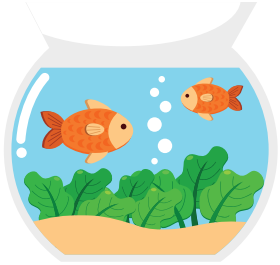
Can you make a snail?
What happens if the light is brighter or dimmer?
What happens if your hand is closer or farther from the light?

Get muddy

How do you make mud?
How much water do you need?
Does mud make a sound when you walk on it?

Go on a walk

Can you find a new animal?
What do you hear?
Can you walk as quietly as a fox?



Investigate an aquarium

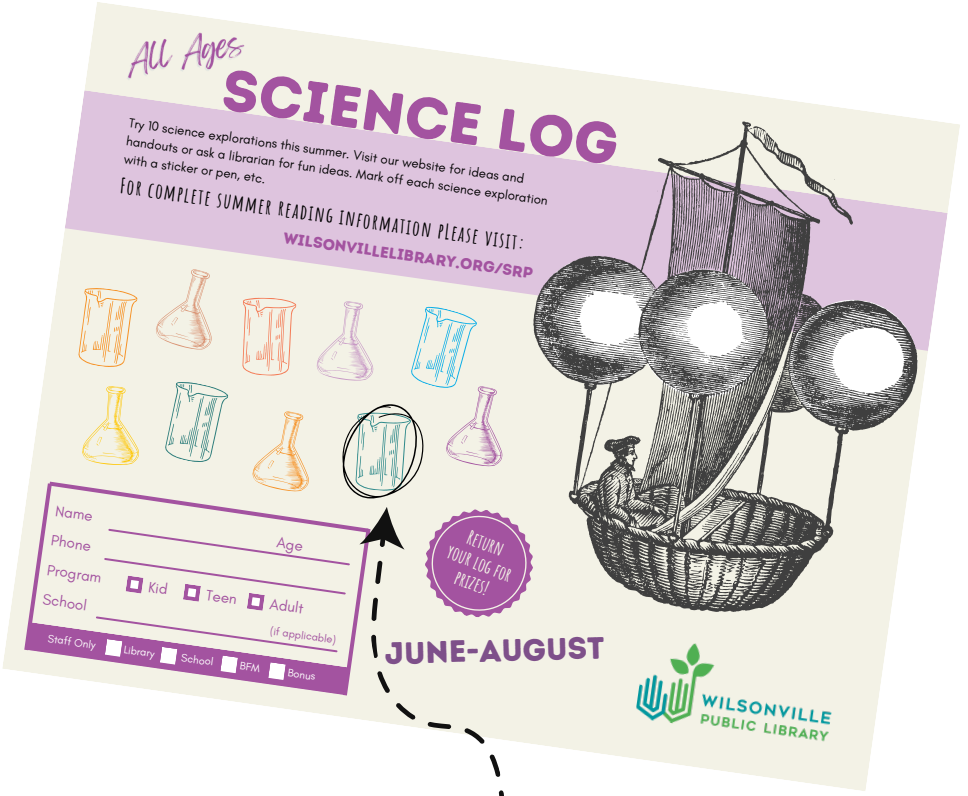
How do fish breathe?
How do they move?
How are fish like us?
Different?

Fill a balloon

Will it float in the air?
Does it make a squeaky sound?
How is the balloon different when you add more or less air?

Drop a feather

Is this a light object?
What makes it sway in the air?
Does a ball drop the same way?

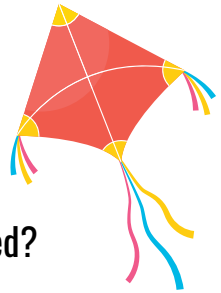


Don't forget to **mark off** your completed science experiments and return your finished science log to the library!

Listen to the wind

What is wind?
Does the wind move clouds?
How strong can wind be?

Fly a kite



How do kites fly?
Can you steer a kite?
How much wind do kites need?

Bubble party

How do you make bubbles?
What happens to bubbles if it is windy?
Why are some bubble tiny?

Collect rain

How much rain can you collect during a storm?
Is the water cold?
How can you measure rainfall?

Describe flavors

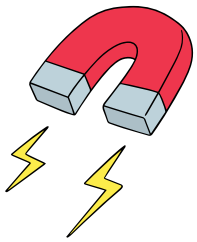
Do you like the taste of a lemon?
Does a lemon always taste the same?
Do you have a favorite fruit?

Watch clouds

Do clouds keep their shape?
Why do clouds change color?
Are some clouds heavy?

Use a magnet

Do magnets stick to metal?
Do magnets stick to wood?
Do magnets stick to aluminum cans?



Collect rocks

Can you make a collection?
What colors can you find?
Are some rocks stronger than others?

Clap to music

Can you clap loudly? Softly?
Which different clapping patterns can you make?
Can you make your own song?

Will it float?

What objects float? Sink?
Do some items partially float?
What makes objects float?

The I spy...game

How many shape do you spy?
What colors do you spy?
What is the biggest object that you see? Smallest?

Balance

Can you stand on one leg?
If you change your body shape is standing on one leg easier? Harder?
What happens if you close your eyes?

Plant Seeds

Can you plant seeds?
Do you water them daily?
What do plants need to grow?

Find a snail

Where do snails live?
Do snails have protection?
What do you think they eat?

Follow an ant

How do they know where they are going?
Why are some ants different colors?
Do they wander at night or sleep?

Melt an ice cube

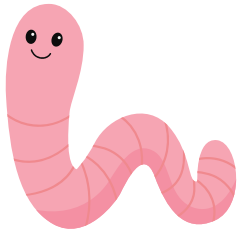
What happens when you put an ice cube in the sun?
Does it melt all at once?
Where does the ice go?

Stop and smell the flowers

Do you have a favorite path or park?
What do you hear? Smell? See?
Do you like to sit quietly in a favorite spot?

Find a worm

Where do worms live?
How do birds find them?
How do earthworms help soil?



Light refraction

Why does a straw look weird in a glass of water?
Can light really bend?
Does this always happen?

Find circles

What is a circle?
What circles can you find?
Can you discover more circles indoors and outdoors?