ALANNAH'S
LITTLE SCIENTIST LAB

COLORING & ACTIVITY BOOK



Color - Experiment - Explore - Discover

Ages 4-8

THIS LAB BOOK BELONGS TO...



I am curious. I ask questions. I look closely. I can think like a scientist!

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A NOTE FOR GROWN-UPS

Read safety directions before every hands-on activity.

This book invites children to color, notice, predict, draw, and explore. The experiments are conversation starters, not unsupervised instructions.



Always supervise experiments. Use child-safe household materials. Protect eyes and surfaces. Never taste lab materials. Keep magnets and small parts away from young children and anyone with medical devices.

Best science question: "What do you notice?" Let children describe what happened before explaining why.

Stop any activity that causes irritation, fear, spills near electricity, or unsafe behavior.

ALANNAH'S LAB SAFETY RULES

Color a circle after you practice each rule.

- **Ask a grown-up first.**
- **Wear eye protection when needed.**
- **Never taste experiment materials.**
- **Keep hands away from eyes and mouth.**
- **Clean spills and wash hands.**
- **Use kind hands and careful choices.**

LOOK CLOSELY!

Color the discovery. Read the science fact. Try the activity.



Scientists use their senses and tools to notice tiny details.

TRACE THE SCIENCE WORD

OBSERVE

Find and circle three details in the picture.

ASK A BIG QUESTION

Color the discovery. Read the science fact. Try the activity.



A question is the beginning of a discovery.

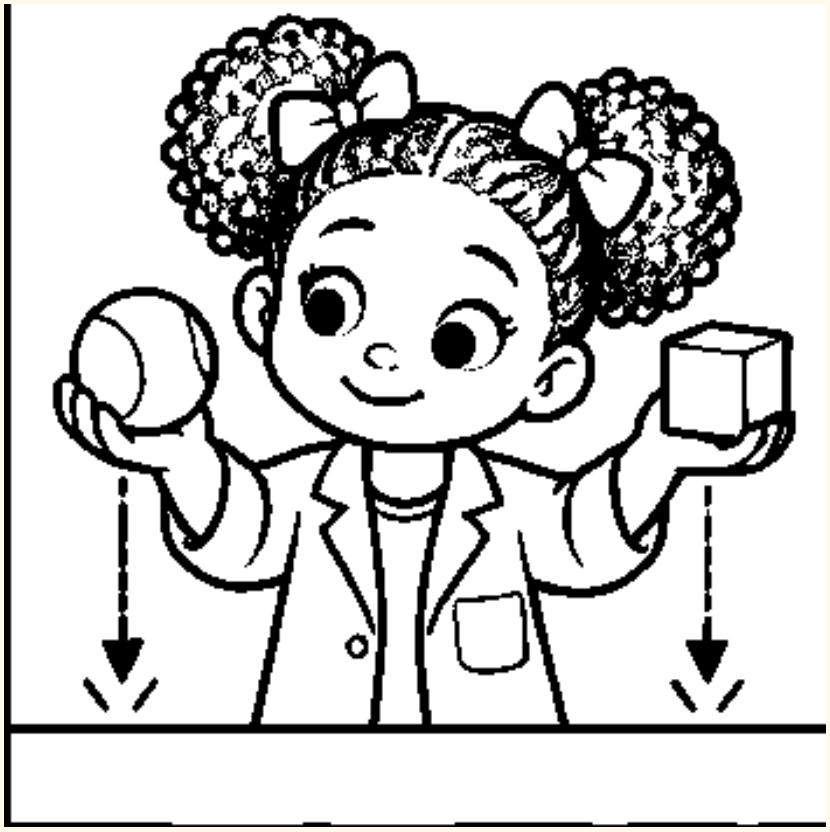
TRACE THE SCIENCE WORD

QUESTION

Draw one thing you wonder about.

MAKE A PREDICTION

Color the discovery. Read the science fact. Try the activity.



A prediction is your best science guess before a test.

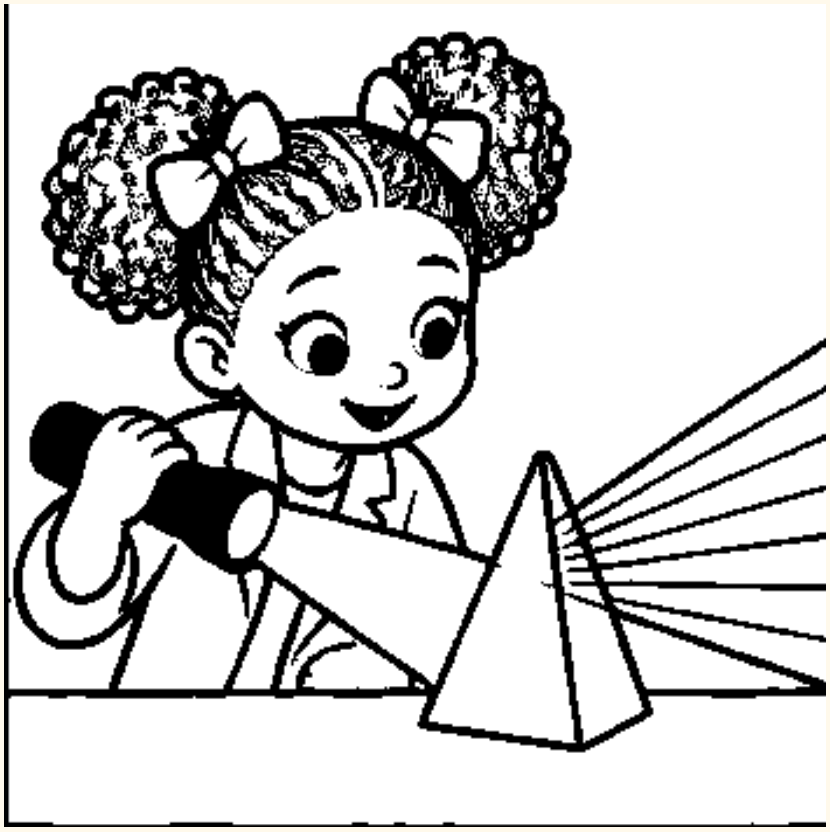
TRACE THE SCIENCE WORD

PREDICT

Which object do you think will land first?

RAINBOW LIGHT LAB

Color the discovery. Read the science fact. Try the activity.



A prism can bend white light into many colors.

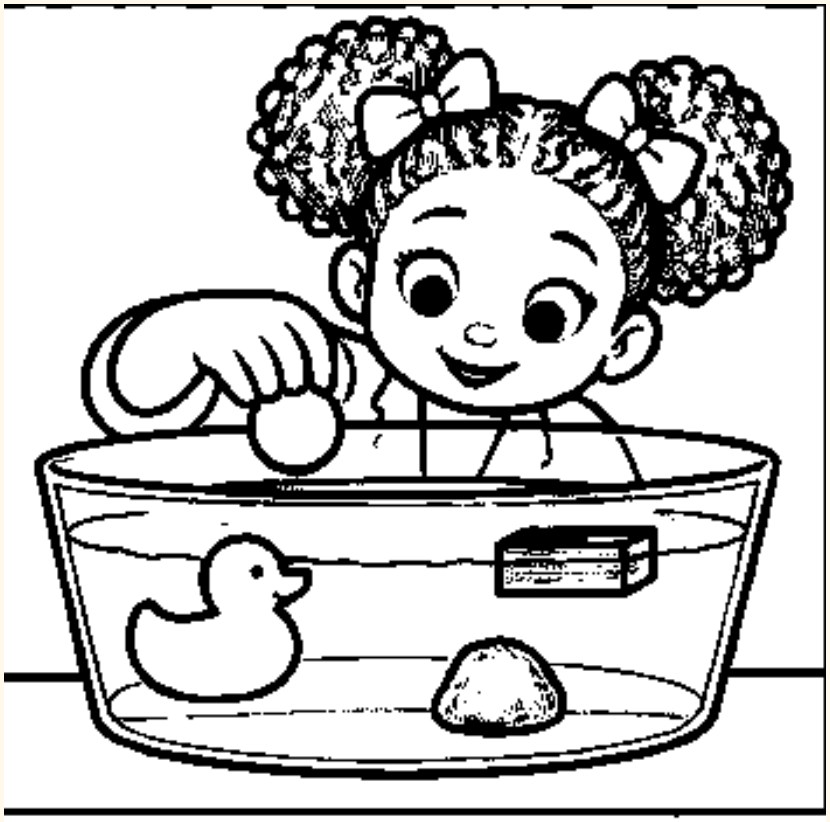
TRACE THE SCIENCE WORD

PRISM

Color the rainbow in the order you know.

SINK OR FLOAT?

Color the discovery. Read the science fact. Try the activity.



Objects float or sink because of their material, shape, and density.

TRACE THE SCIENCE WORD

FLOAT

Predict first. Then test with a grown-up.

FIZZY REACTION

Color the discovery. Read the science fact. Try the activity.



Mixing some materials can make a gas full of bubbles.

TRACE THE SCIENCE WORD

REACTION

Grown-up lab: Never taste experiment materials.

MAGNET MYSTERY

Color the discovery. Read the science fact. Try the activity.



Magnets attract some metals, including iron and steel.

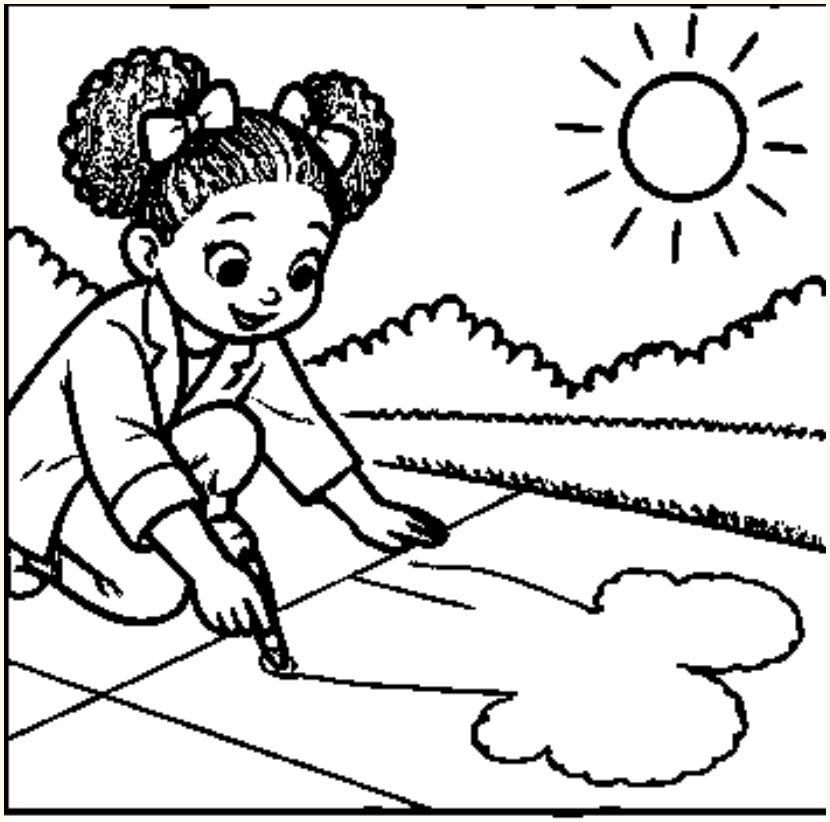
TRACE THE SCIENCE WORD

MAGNET

Circle three objects a magnet might attract.

CHASE A SHADOW

Color the discovery. Read the science fact. Try the activity.



A shadow forms when an object blocks light.

TRACE THE SCIENCE WORD

SHADOW

Trace a toy shadow outdoors with a grown-up.

SEED TO SPROUT

Color the discovery. Read the science fact. Try the activity.



A seed needs water, air, and the right temperature to grow.

TRACE THE SCIENCE WORD

SPROUT

Draw what the plant might look like next week.

RAIN CLOUD IN A JAR

Color the discovery. Read the science fact. Try the activity.



Water drops become heavy and fall like rain.

TRACE THE SCIENCE WORD

RAIN

Grown-up lab: Use only child-safe materials.

SOUND VIBRATIONS

Color the discovery. Read the science fact. Try the activity.



Sound begins when something vibrates, or moves back and forth.

TRACE THE SCIENCE WORD

VIBRATE

Touch your throat while you hum. What moves?

SOLID, LIQUID, GAS

Color the discovery. Read the science fact. Try the activity.



Matter can change when it is heated or cooled.

TRACE THE SCIENCE WORD

MATTER

Color the ice, water, and steam differently.

BUTTERFLY LIFE CYCLE

Color the discovery. Read the science fact. Try the activity.



A butterfly changes from egg to caterpillar to chrysalis to adult.

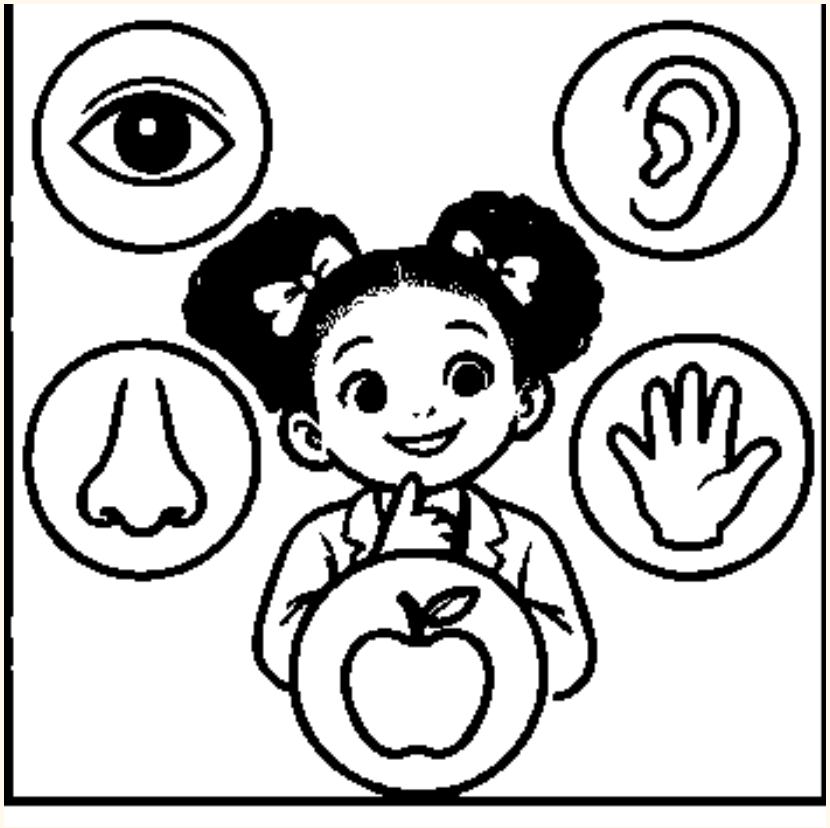
TRACE THE SCIENCE WORD

LIFE CYCLE

Add arrows to show the cycle.

SUPER FIVE SENSES

Color the discovery. Read the science fact. Try the activity.



We learn through seeing, hearing, smelling, tasting, and touching.

TRACE THE SCIENCE WORD

SENSES

Which sense helps you notice music?

HEARTBEAT DETECTIVE

Color the discovery. Read the science fact. Try the activity.



Your heart pumps blood through your body every day.

TRACE THE SCIENCE WORD

HEART

Count your beats for 10 seconds with a grown-up.

TOOTH SCIENCE

Color the discovery. Read the science fact. Try the activity.



Teeth help us bite and chew. Brushing removes sticky plaque.

TRACE THE SCIENCE WORD

ENAMEL

Draw tiny circles where the toothbrush should clean.

GERM BUSTERS

Color the discovery. Read the science fact. Try the activity.



Soap lifts germs and oils so water can rinse them away.

TRACE THE SCIENCE WORD

GERMS

Trace around your hand and draw soap bubbles.

FOSSIL FINDER

Color the discovery. Read the science fact. Try the activity.



Fossils are clues about living things from long ago.

TRACE THE SCIENCE WORD

FOSSIL

Design a fossil print in the space below.

BACKYARD BUG LAB

Color the discovery. Read the science fact. Try the activity.



Insects have six legs and three main body parts.

TRACE THE SCIENCE WORD

INSECT

Count the legs. Is it an insect?

OCEAN EXPLORER

Color the discovery. Read the science fact. Try the activity.



Different ocean animals live at different depths.

TRACE THE SCIENCE WORD

OCEAN

Add a creature hiding near the coral.

ROCK & CRYSTAL LAB

Color the discovery. Read the science fact. Try the activity.



Rocks can have different colors, textures, and patterns.

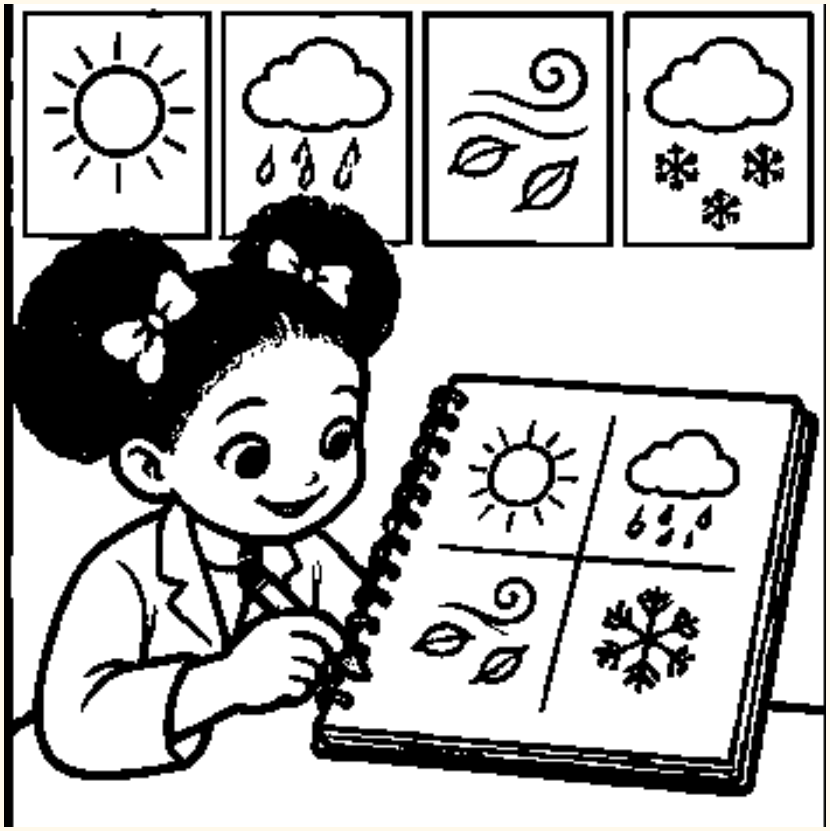
TRACE THE SCIENCE WORD

MINERAL

Sort by smooth, rough, sparkly, or striped.

WEATHER WATCHER

Color the discovery. Read the science fact. Try the activity.



Weather can change from day to day.

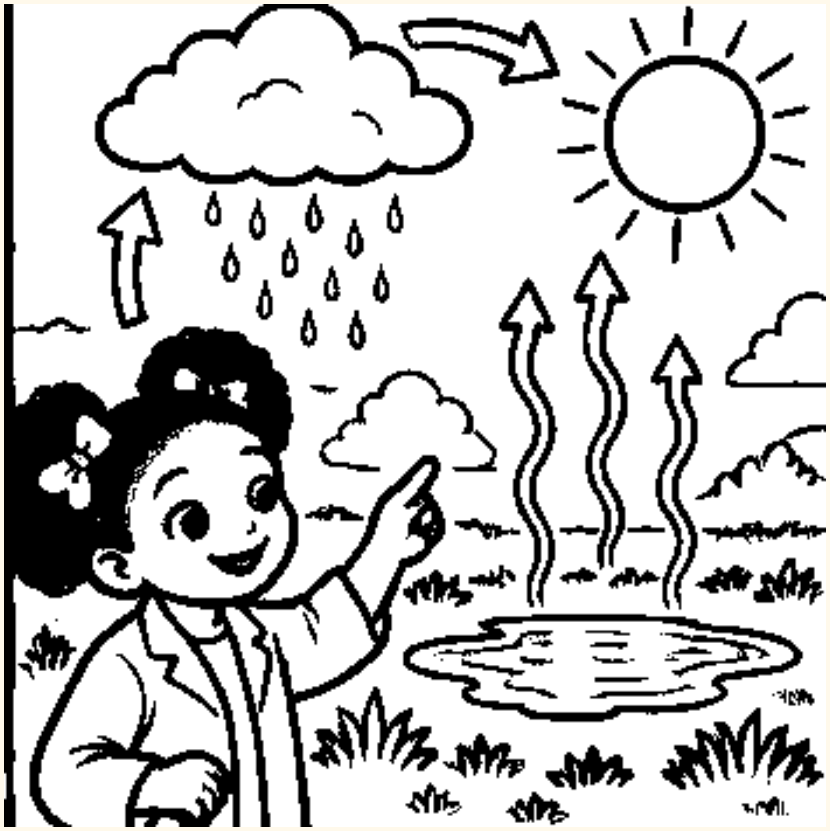
TRACE THE SCIENCE WORD

WEATHER

Circle today's weather and color the sky.

WATER CYCLE ADVENTURE

Color the discovery. Read the science fact. Try the activity.



Water moves through evaporation, clouds, rain, and collection.

TRACE THE SCIENCE WORD

WATER CYCLE

Follow one drop around the picture.

SOIL SAFARI

Color the discovery. Read the science fact. Try the activity.



Healthy soil holds water, air, roots, tiny animals, and nutrients.

TRACE THE SCIENCE WORD

SOIL

Find the roots and worms under the garden.

MOON PHASE MISSION

Color the discovery. Read the science fact. Try the activity.



We see different amounts of the moon's sunlit half each night.

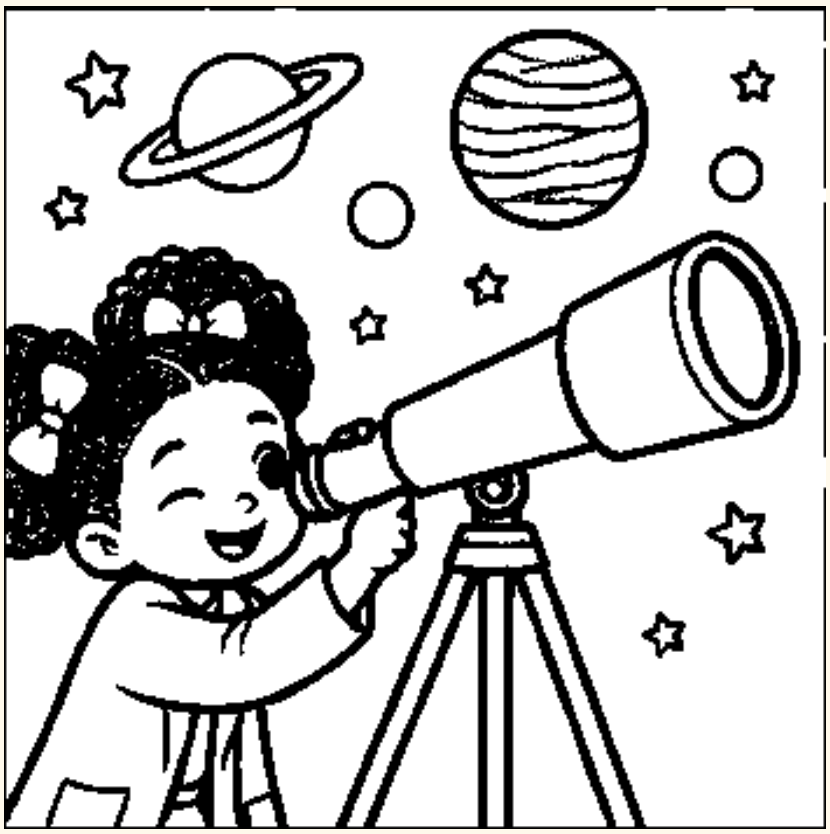
TRACE THE SCIENCE WORD

MOON

Shade the moon shapes to make phases.

PLANET PATROL

Color the discovery. Read the science fact. Try the activity.



Planets travel around the Sun in paths called orbits.

TRACE THE SCIENCE WORD

ORBIT

Add stars and color each planet differently.

ASTRONAUT ALANNAH

Color the discovery. Read the science fact. Try the activity.



Astronauts train, explore, experiment, and work as a team.

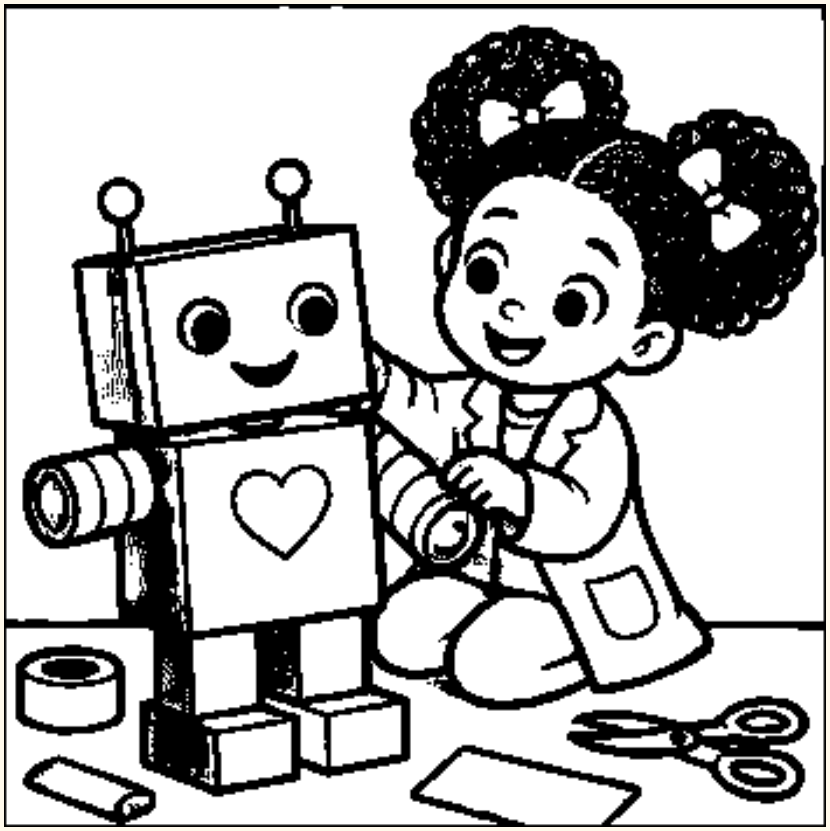
TRACE THE SCIENCE WORD

ASTRONAUT

Draw what Alannah might discover on the Moon.

BUILD A FRIENDLY ROBOT

Color the discovery. Read the science fact. Try the activity.



Robots follow instructions to complete tasks.

TRACE THE SCIENCE WORD

ROBOT

Add one helpful tool to the robot.

MY SCIENCE JOURNAL

Draw what you observed and record what surprised you.

Today I explored: _____

Draw your observation here.

I noticed...

_____

_____

_____

PLAN A MINI EXPERIMENT

A grown-up must approve the materials and steps.

My question:

_____

My prediction:

_____

Safe materials:

_____

What I will do:

_____

What happened:

_____

What I learned:

_____

CERTIFIED LITTLE SCIENTIST

Certificate of curiosity and discovery



This certificate proudly belongs to

_____

for asking great questions, making careful observations, and exploring safely.

_____ _____

DATE GROWN-UP SIGNATURE



STAY CURIOUS!

The best scientists keep looking, wondering, testing, learning, and trying again.

Your next discovery could begin with one little question.