ARAJENA™
LEARNING

FREE BRAIN DISCOVERY PACK

Think • Explore • Create • Discover



A mini science investigation for curious kids

Ages 6+ • Parent-guided • Print and explore

FREE PRINTABLE SAMPLE | 8 PAGES

www.arajena.com

WELCOME

A Little Lesson, Together

A ready-to-read guide for your first brain discovery

HI! WE'RE ARI AND BRI!

We're here to guide you through this brain adventure.
We're so glad you're here!



BEFORE YOU BEGIN

Gather colored pencils, a pencil, a cloth bag, and three safe household objects. No science background required!

PARENT READ-ALOUD SCRIPT

1 **WONDER • 3 MIN**

"Did you know your brain is helping you learn right now? What did your brain help you do before breakfast? Look at your hands and make two fists, then press them together side-by-side. That is approximately the size of your amazing brain right now!"

2 **NOTICE • 5 MIN**

"Our brain helps us interpret messages from our senses. Let's read five clues about what it can do."

3 **EXPLORE • 10 MIN**

"Can you discover a hidden object without looking? Describe what your fingers notice before you guess."

4 **CREATE & SHARE • 5–10 MIN**

"Let's color our brain and solve a few science words. What discovery do you want to teach someone?"

DISCOVER

Five Brain Discoveries

Read, wonder, and make connections

1 **Your brain is a busy control center.**

It helps coordinate your movement, attention, and learning.

2 **Your brain works while you sleep.**

Sleep supports learning and memory.

3 **Your skull helps protect your brain.**

It forms a hard protective covering.

4 **Your brain has two hemispheres.**

They communicate and work together.

5 **Practice helps you learn.**

Experiences can change and strengthen brain connections.

YOUR TURN: Which fact surprised you most?



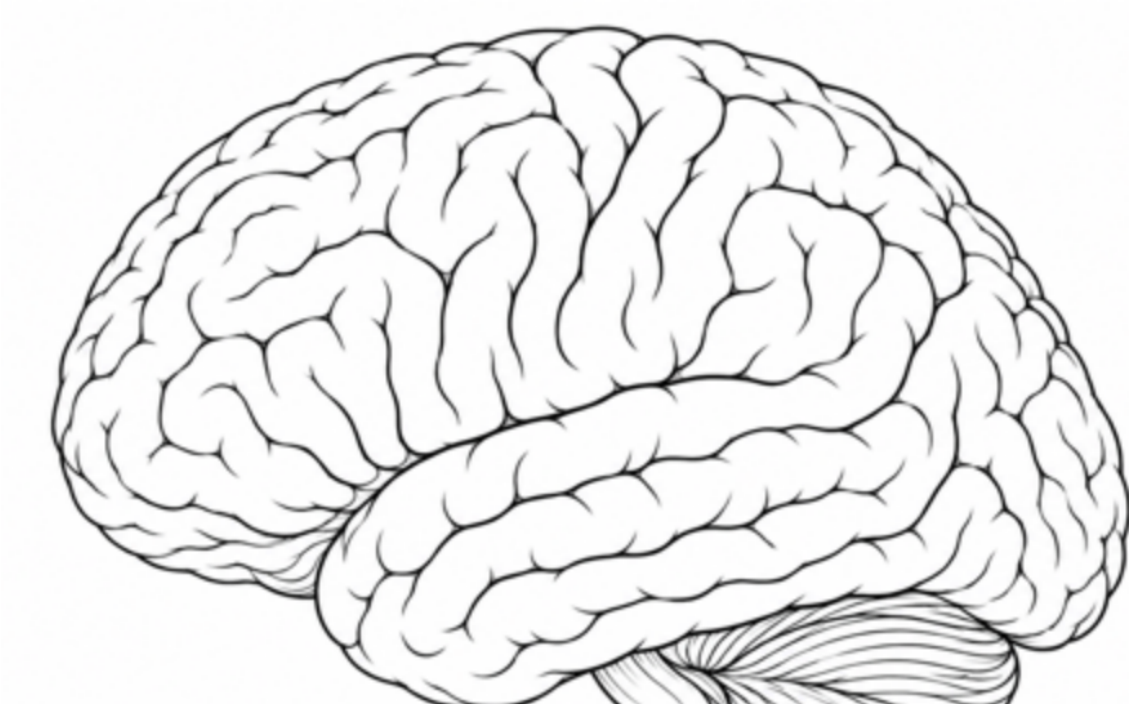
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OBSERVE & CREATE

Look Closely: Color the Brain

A closer look at its wrinkles, shape, and structures

Observe: What patterns do you see on the brain surface?



COLOR & THINK

1. Use two or more colors to color the brain.

2. Find the smaller folded structure at the lower back: the cerebellum.

3. Nurse Rachel’s Balance Challenge: Before you color it, stand on one foot and try to write your name in the air with your finger. Your cerebellum is your brain's “balance boss”—it keeps you from tipping over right now!

4. Nurse Rachel’s Size Discovery: Make two fists and put them right next to each other, side-by-side. Look at them! Together, they are approximately the size of your amazing brain right now!

5. Ask: Why might the brain have so many folds? (Hint: Folds let a massive amount of brain power fit into a small, safe space!)

PLAY & PRACTICE

Brain Word Hunt

Find and circle six science words

G	L	O	B	E	S	E	L	I	P	A
S	E	S	L	E	E	P	B	G	V	P
B	R	A	I	N	B	F	V	K	D	I
K	E	S	K	U	L	L	S	S	D	N
B	K	K	N	H	E	E	J	F	S	J
J	P	F	U	E	A	G	R	N	S	C
F	U	G	V	U	R	A	C	P	V	J
D	G	H	P	P	N	V	D	R	K	V
P	J	T	U	H	C	B	E	E	V	M
F	P	D	N	G	U	A	N	R	S	H
H	P	G	F	F	J	I	C	F	K	F

FIND & CIRCLE BRAIN SKULL SLEEP LEARN NERVE LOBES

Extra challenge: Use one word in a sentence.

HANDS-ON SCIENCE

Investigation: The Mystery Bag

Explore how your brain uses clues from touch

YOUR BIG QUESTION

Can your brain help identify an object without seeing it?
Prediction: I can identify _____ of 3 objects.



MATERIALS

A cloth bag or pillowcase, three familiar safe objects, and an adult helper. No sharp items or choking hazards.

TRY THE INVESTIGATION

1. **HIDE**
   Adult: Place one object in the bag out of sight.

2. **FEEL & DESCRIBE**
   Child: Feel without peeking. What is its shape or texture?

3. **PREDICT & REVEAL**
   Guess the object, then look. Repeat twice.

RECORD YOUR DISCOVERY

I identified _____ of 3 objects correctly.

My best clue was: _____

SCIENCE CONNECTION

Did you know your nerves are like a network of ultra-fast electrical wires? When your fingers touch an object in the bag, messages race to your brain super fast! Depending on the type of signal and the nerves involved, some can travel around 150 miles per hour, more or less. Your brain uses those signals and your past experiences to guess the object without looking.

KITCHEN LAB

Build a Brain!

An edible investigation of the two hemispheres and brain folds

WHY THIS CONNECTS TO SCIENCE

Your brain has two hemispheres that work together. Its many folds help fit more cerebral cortex inside your skull. Let’s model both in a snack!



WHAT YOU NEED

- 1 slice of whole-grain bread or a rice cake
- 2–3 tablespoons cream cheese or sunflower seed butter
- Soft banana slices or mashed berries
- Optional: a little jam or berry purée for the folds
- A plate and spoon or child-safe spreader

CREATE TOGETHER

1. **SPREAD**

   Cover your bread or rice cake with the spread.

2. **MAKE TWO HALVES**

   Arrange fruit or topping into left and right halves.

3. **ADD THE FOLDS**

   Make curved squiggles with jam or berry purée.

4. **NAME & NOTICE**

   Point out both hemispheres and the folds.

DISCOVER

Which parts show the two hemispheres? Where are the folds?

Name two things your brain helps you do every day.

Adult supervision required. Check allergies and dietary needs.

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CELEBRATE

Celebrate Your Discovery

Reflect on what you learned, then keep exploring

ASK YOUR EXPLORER

1. What did your brain help you do during the mystery bag challenge?
2. Which brain fact will you remember?
3. What would you like to investigate next?



PARENT CHECK-IN

Word hunt: BRAIN, SKULL, SLEEP, LEARN, NERVE, LOBES.

Mystery bag: Descriptions and predictions matter more than score.

THE ADVENTURE CONTINUES

This is just a small taste of how Arajena™ Learning makes anatomy unforgettable! Our complete curriculum blends real medical science with parent-friendly, open-and-go guidance.

Unlock the full adventure to get:

- 5+ Hands-On Investigations with all physical materials included (right down to the glue stick!).
- Interactive 3D Anatomy Tours where kids can spin, tag, and explore real structures.
- Fun Reinforcement Games and engaging video lessons to lock in the learning.

Your next anatomy adventure awaits!

What was your favorite discovery today?