

Indiana Preschool Early Learning Foundations Alignment

Book Title: Mama Bat and Baby Bat: Screech, Chirp, Chatter

Grade Level: Preschool (Ages 3–5)

Themes: Bats • Family Bonds • Sensory Language • Nature & Conservation

Approaches to Play & Learning (APL)

Standards:

APL.1.1 – Demonstrates curiosity and interest in learning

APL.2.2 – Maintains focus and sustains attention

APL.3.1 – Shows initiative and engagement in learning experiences

Evidence from the Book:

Repetitive, rhythmic language invites prediction and participation

Suspense as Baby Bat searches for Mama encourages persistence

Children naturally ask questions about bats and caves

Classroom Activities:

Predict & Pause: Pause during Baby Bat's search and ask children what they think will happen next

Wonder Wall: Record children's bat questions on chart paper

Sound Repetition Game: Children repeat bat sounds together

Social & Emotional Development (SED)

Standards:

SED.1.2 – Expresses a range of emotions

SED.2.1 – Develops relationships with adults and peers

SED.3.2 – Demonstrates empathy and concern for others

Evidence from the Book:

Separation and reunion mirror feelings children experience

Nurturing behaviors model comfort and reassurance

Emotional language supports empathy

Classroom Activities:

Feelings Talk: “How do you think Baby Bat felt when he couldn’t find Mama?”

Comfort Corner: Practice ways to comfort a friend

Role-Play: Act out Mama Bat caring for Baby Bat

Language & Communication (LC)

Standards:

LC.1.1 – Understands and follows spoken language

LC.2.3 – Uses a growing vocabulary

LC.3.1 – Participates in conversations

Evidence from the Book:

Rich onomatopoeia builds expressive language

Call-and-response bat sounds promote communication

Repetition supports comprehension

Classroom Activities:

Bat Sound Echo: Teacher calls, children respond

Vocabulary Match: Match action words (cling, crawl) with pictures

Turn-and-Talk: Share favorite bat sounds

Early Literacy (EL)

Standards:

EL.1.2 – Demonstrates interest in books and reading

EL.2.1 – Understands story structure

EL.3.2 – Recognizes informational text features

Evidence from the Book:

Predictable patterns support story understanding

Sidebar text introduces nonfiction features

Glossary builds word awareness

Classroom Activities:

Story Map: Beginning (birth), middle (search), end (reunion)

Fiction vs. Fact: Identify story pages vs. sidebar facts

Glossary Hunt: Find words from the Sensory Language Glossary

Mathematics (M)

Standards:

M.1.1 – Demonstrates understanding of number and quantity

M.3.1 – Understands spatial relationships

Evidence from the Book:

One pup vs. many bats

Spatial language: high/low, near/far, on top/under

Grouping and clustering concepts

Classroom Activities:

Bat Counting: Count bats in an illustration

High & Low Movement: Hang “bats” at different heights

Cluster Math: Group toy bats together and compare sizes

Science (SC)

Standards:

SC.1.1 – Observes and describes living things

SC.2.2 – Understands basic needs of animals

SC.3.1 – Demonstrates curiosity about the natural world

Evidence from the Book:

Life cycle: birth, nursing, growth

Animal behavior: nocturnal, echolocation

Habitat and survival needs

Classroom Activities:

Bat Investigation Station: Photos, diagrams, magnifying glasses

Day vs. Night Sort: Nocturnal vs. diurnal animals

Cause & Effect: “Why does Baby Bat stay in the cave?”

Social Studies (SS)

Standards:

SS.2.1 – Demonstrates awareness of the environment

SS.3.2 – Shows responsibility for the natural world

Evidence from the Book:

Back matter emphasizes conservation

“How Can You Help?” encourages stewardship

Shows bats’ role in ecosystems

Classroom Activities:

Bat Helpers Chart: Ways children can help bats

Pollinator Garden Plan: Draw plants bats might like

Myth vs. Fact Sorting: From the “Myths Busted” section

Physical Health & Motor Development (PHM)

Standards:

PHM.1.1 – Demonstrates control and coordination

PHM.2.2 – Uses movement vocabulary

Evidence from the Book:

Crawling, clinging, climbing actions

Encourages body awareness

Classroom Activities:

Bat Movement Course: Crawl, climb, and hang (safely)

Upside-Down Play: Pretend bats hanging from branches

Fine-Motor Bat Grip: Pinch and grasp activities

Creative Arts (CA)

Standards:

CA.1.1 – Expresses ideas through art

CA.2.2 – Participates in music and movement

Evidence from the Book:

Sound-rich language supports rhythm and music

Illustrations inspire artistic expression

Classroom Activities:

Bat Sound Orchestra: Use instruments for bat sounds

Bat Cave Art: Paint or collage cave scenes

Story Dramatization: Act out the book together

Teacher Summary

This book aligns with multiple Indiana Preschool Early Learning Foundations, supporting literacy, science, social-emotional development, and environmental stewardship through engaging storytelling, sensory language, and nonfiction back matter.

Indiana Kindergarten Standards Alignment — Teacher Handout

Book Title: *Mama Bat and Baby Bat: Screech, Chirp, Chatter*

Grade: K

Genre: Narrative Nonfiction / Informational Picture Book

Themes: Family & Caregiving • Animals & Habitats • Sensory Language • Conservation

Skills Focus: Reading comprehension, vocabulary, science literacy, empathy, inquiry

English / Language Arts (ELA)

Reading Foundations (RF)

Print Concepts

K.RF.1

Demonstrate understanding that print moves from left to right and top to bottom.

Connection: Shared reading with teacher modeling text directionality.

K.RF.2

Recognize that written words are made up of sequences of letters.

Connection: Identifying repeated words and spaces between words.

K.RF.3 (E)

Identify and name all uppercase and lowercase letters.

Connection: Letter hunts using familiar story words (*bat, mama, pup*).

Phonological Awareness

K.RF.4

Identify and produce rhyming words.

Connection: Rhyming with sound-rich, rhythmic language.

K.RF.5 (E)

Blend and segment words into syllables.

Connection: Clapping syllables (*ba-by, ma-ma, noc-tur-nal*).

K.RF.6 (E)

Identify beginning, middle, and final sounds in words.

Connection: Phoneme isolation in CVC words (*bat, pup, milk*).

Decoding

K.RF.7 (E)

Use letter-sound knowledge to decode consonants.

Connection: Sound practice using key vocabulary.

K.RF.8 (E)

Decode words with open/closed syllables, blends, and digraphs.

Connection: Decoding simple words from the text.

K.RF.9

Orally read decodable texts with accuracy and automaticity.

Connection: Repeated reading of predictable phrases.

Reading: Literature (RL)

K.RL.1

Ask and answer questions about key details.

Connection: Discuss Baby Bat's journey.

K.RL.2

Retell familiar stories, including key details.

Connection: Beginning–middle–end retelling.

K.RL.3

Identify characters, settings, and major events.

Connection: Mama Bat, Baby Bat, cave setting.

K.RL.4

Ask and answer questions about unknown words.

Connection: Sensory Language Glossary use.

Reading: Informational Text (RI)

K.RI.1

Ask and answer questions about key details.

Connection: Sidebar fact discussions.

K.RI.2

Identify the main topic and retell key details.

Connection: What bats need to survive.

K.RI.4

Ask and answer questions about unknown words.

Connection: Vocabulary like *echolocation*.

K.RI.7

Describe the relationship between illustrations and text.

Connection: How pictures explain bat behavior.

Writing (W)

K.W.2

Use drawing, dictating, and writing to inform.

Connection: Bat fact writing.

K.W.8

Recall information from texts.

Connection: Writing about bats after reading.

Speaking & Listening (SL)

K.SL.1

Participate in collaborative conversations.

Connection: Partner and group discussions.

K.SL.2

Confirm understanding of text read aloud.

Connection: Oral comprehension checks.

K.SL.6

Speak audibly and express thoughts clearly.

Connection: Oral retelling and sound play.

Language (L)

K.L.4

Determine meanings of unknown words.

Connection: Context clues and glossary.

K.L.5

Explore word relationships and nuances.

Connection: Action vs. sound words.

Mathematics

K.CC.1–5

Count to tell the number of objects.

Connection: Counting bats in illustrations.

K.MD.1

Describe measurable attributes.

Connection: Comparing clusters of bats.

K.G.1

Describe positions and spatial relationships.

Connection: Up/down, on/under, near/far.

Science

K-LS1-1

Use observations to describe what plants and animals need to survive.

Connection: Food, shelter, warmth, care.

K-ESS3-1

Use a model to represent relationships between needs and places.

Connection: Bat habitat models.

K-ETS1-1

Ask questions to solve problems.

Connection: “How can we help bats survive?”

Social Studies

K.2.1

Identify ways people can help their community.

Connection: Bat conservation actions.

K.3.1

Identify natural resources and their importance.

Connection: Bats as part of ecosystems.

Teacher Summary

This book supports Indiana Kindergarten standards across literacy, science, math, and social studies through rich language, emotional storytelling, and authentic nonfiction content that builds foundational skills and environmental awareness.

Indiana Grade 1 Standards Alignment — Teacher Handout

Book Title: *Mama Bat and Baby Bat: Screech, Chirp, Chatter*

Grade: 1

Genre: Narrative Nonfiction / Informational Picture Book

Themes: Family & Caregiving • Animals & Habitats • Sensory Language • Conservation

Skills Focus: Reading comprehension, vocabulary, science literacy, empathy, inquiry

English / Language Arts (ELA)

Reading Foundations (RF)

1.RF.1

Demonstrate understanding of the organization and basic features of print.

Connection: Students track text, headings, and sidebar features during shared and independent reading.

1.RF.2

Demonstrate understanding of spoken words, syllables, and sounds.

Connection: Segmenting and blending sounds in key vocabulary (*bat, pup, milk, cave*).

1.RF.3

Know and apply grade-level phonics and word analysis skills.

Connection: Decoding words with blends, digraphs, and vowel patterns found in the text.

1.RF.4

Read with sufficient accuracy and fluency to support comprehension.

Connection: Repeated reading of rhythmic and predictable phrases.

Reading: Literature (RL)

1.RL.1

Ask and answer questions about key details in a text.

Connection: Discussing Baby Bat's actions and Mama Bat's responses.

1.RL.2

Retell stories, including key details, and demonstrate understanding of the central message.

Connection: Retelling the separation and reunion story arc.

1.RL.3

Describe characters, settings, and major events.

Connection: Mama Bat, Baby Bat, cave habitat.

1.RL.4

Identify words and phrases that suggest feelings or appeal to the senses.

Connection: Sensory language such as *screech*, *sniff*, *wriggle*.

1.RL.7

Use illustrations and details to describe story elements.

Connection: Analyzing how illustrations show bat behavior.

Reading: Informational Text (RI)

1.RI.1

Ask and answer questions about key details in a text.

Connection: Using sidebar facts and back matter.

1.RI.2

Identify the main topic and retell key details.

Connection: Understanding bat life and care of young.

1.RI.3

Describe connections between ideas in a text.

Connection: Cause and effect (nocturnal behavior → pups stay behind).

1.RI.4

Ask and answer questions about words in a text.

Connection: Domain-specific vocabulary (*echolocation*, *nocturnal*).

1.RI.5

Know and use text features to locate key facts.

Connection: Sidebars, glossary, headings.

1.RI.7

Use illustrations and details to describe key ideas.

Connection: Habitat and behavior explanations.

Writing (W)

1.W.2

Write informative/explanatory texts.

Connection: Writing bat facts or explanations of bat behavior.

1.W.3

Write narratives with a sequence of events.

Connection: Retelling Baby Bat's experience.

1.W.7

Participate in shared research and writing projects.

Connection: Class bat research chart.

1.W.8

Recall information from experiences or texts.

Connection: Writing responses using facts from the book.

Speaking & Listening (SL)

1.SL.1

Participate in collaborative conversations.

Connection: Partner and group discussions.

1.SL.2

Ask and answer questions about information presented.

Connection: Listening to read-alouds and peer responses.

1.SL.4

Describe people, places, and events with relevant details.

Connection: Oral retelling of bat behavior.

1.SL.6

Produce complete sentences when appropriate.

Connection: Sentence responses during discussion.

Language (L)

1.L.1

Demonstrate command of grammar and usage.

Connection: Oral and written sentence practice.

1.L.4

Determine meanings of unknown words and phrases.

Connection: Context clues and glossary use.

1.L.5

Demonstrate understanding of word relationships.

Connection: Synonyms for movement and sound words.

Mathematics

1.CA.1–4

Understand and use addition and subtraction within 20.

Connection: Counting and comparing numbers of bats.

1.MD.1

Order objects by length and compare.

Connection: Comparing clusters or sizes in illustrations.

1.G.1

Distinguish defining attributes of shapes.

Connection: Circular bat clusters and cave spaces.

Science

1-LS1-1

Use observations to describe patterns of survival in animals.

Connection: How bats care for and protect their young.

1-LS1-2

Read texts and use media to determine patterns in behavior.

Connection: Nocturnal behavior and feeding patterns.

1-ESS3-1

Identify ways humans can reduce impact on the environment.

Connection: Conservation actions in back matter.

Social Studies

1.1.1

Identify roles of individuals in the community.

Connection: Bat conservationists and helpers.

1.2.2

Explain how people help and harm the environment.

Connection: Habitat protection and pesticide reduction.

1.3.1

Identify natural resources and why they are important.

Connection: Bats' role in ecosystems.

Teacher Summary

This book supports Indiana Grade 1 standards across ELA, Science, Math, and Social Studies by combining rich sensory language, narrative structure, and factual content that builds reading comprehension, vocabulary, inquiry skills, and environmental responsibility.

Indiana Grade 2 Standards Alignment — Teacher Handout

Book Title: Mama Bat and Baby Bat: Screech, Chirp, Chatter

Grade: 2

Genre: Narrative Nonfiction / Informational Picture Book

Themes: Family & Caregiving • Animals & Habitats • Sensory Language • Conservation

Instructional Uses: Read-Aloud, Shared Reading, Science & Literacy Integration

English / Language Arts (ELA)

Reading Foundations (RF)

2.RF.3

Know and apply grade-level phonics and word analysis skills in decoding words.

Classroom Connection: Students decode multisyllabic and domain-specific words such as *nocturnal*, *echolocation*, *conservation*.

2.RF.4

Read with sufficient accuracy and fluency to support comprehension.

Classroom Connection: Choral and repeated reading of rhythmic passages to build fluency and expression.

Reading: Literature (RL)

2.RL.1

Ask and answer questions about key details in a text.

Classroom Connection: Text-dependent questions about Baby Bat's search and reunion.

2.RL.2

Recount stories and determine the central message or lesson.

Classroom Connection: Discussing themes of care, persistence, and safety.

2.RL.3

Describe how characters respond to major events and challenges.

Classroom Connection: Analyzing Baby Bat's actions during separation and Mama Bat's response.

2.RL.4

Describe how words and phrases supply rhythm and meaning.

Classroom Connection: Examining onomatopoeia and sensory language (*screech, snuffle, wriggle*).

2.RL.7

Use information from illustrations and words to demonstrate understanding.

Classroom Connection: Interpreting illustrations to explain bat behavior.

Reading: Informational Text (RI)

2.RI.1

Ask and answer questions to demonstrate understanding of key details.

Classroom Connection: Answering questions using sidebar facts and back matter.

2.RI.2

Identify the main topic of a multiparagraph text and key details.

Classroom Connection: Identifying what the text teaches about bats and caring for young.

2.RI.3

Describe the connection between events, ideas, or concepts.

Classroom Connection: Cause and effect (foraging → pups stay behind).

2.RI.4

Determine the meaning of words and phrases in a text.

Classroom Connection: Using glossaries and context clues for scientific vocabulary.

2.RI.5

Know and use text features to locate information efficiently.

Classroom Connection: Sidebars, glossary, and headings.

2.RI.7

Explain how images contribute to understanding the text.

Classroom Connection: Using illustrations to explain echolocation and roosting.

Writing (W)

2.W.2

Write informative/explanatory texts.

Classroom Connection: Writing an informational paragraph about bats.

2.W.3

Write narratives with a clear sequence of events.

Classroom Connection: Retelling Baby Bat's experience using temporal words.

2.W.7

Participate in shared research and writing projects.

Classroom Connection: Class research on bats or endangered animals.

2.W.8

Recall information from texts to answer questions.

Classroom Connection: Using the book as a source for written responses.

Speaking & Listening (SL)

2.SL.1

Participate in collaborative conversations with peers and adults.

Classroom Connection: Partner and group discussions.

2.SL.2

Recount or describe key ideas from a text read aloud.

Classroom Connection: Oral summaries of bat behavior.

2.SL.4

Tell a story or recount an experience with appropriate facts and details.

Classroom Connection: Oral retelling using story structure.

2.SL.6

Produce complete sentences when appropriate.

Classroom Connection: Discussion and presentation responses.

Language (L)

2.L.4

Determine the meaning of unknown words and phrases.

Classroom Connection: Context clues and glossary use.

2.L.5

Demonstrate understanding of word relationships and nuances.

Classroom Connection: Comparing synonyms and descriptive language.

Mathematics

2.CA.1–4

Solve addition and subtraction problems within 100.

Classroom Connection: Counting and comparing numbers of bats in clusters.

2.MD.1–4

Measure and estimate lengths using standard units.

Classroom Connection: Measuring bat illustrations or model caves.

2.G.1–3

Recognize and draw shapes with specified attributes.

Classroom Connection: Identifying shapes in cave and bat formations.

Science

2-LS2-1

Plan and conduct investigations to understand ecosystems.

Classroom Connection: Exploring bats' role in ecosystems.

2-LS4-1

Make observations of diversity of life.

Classroom Connection: Comparing bats to other mammals.

2-ESS3-1

Develop solutions to reduce human impact on the environment.

Classroom Connection: Conservation actions from back matter.

Social Studies

2.1.1

Explain how individuals make a difference in their community.

Classroom Connection: Becoming “Bat Ambassadors.”

2.2.2

Describe how people affect the environment.

Classroom Connection: Habitat protection and pesticide use.

2.3.1

Identify natural resources and their importance.

Classroom Connection: Bats as natural pest control and pollinators.

Teacher Summary

This book supports Indiana Grade 2 standards by integrating literacy, science, math, and social studies through rich language, emotional storytelling, and authentic informational text that promotes inquiry and environmental stewardship.

Indiana Grade 3 Standards Alignment — Teacher Handout

Book Title: *Mama Bat and Baby Bat: Screech, Chirp, Chatter*

Grade: 3

Genre: Narrative Nonfiction / Informational Picture Book

Themes: Family & Caregiving • Animals & Habitats • Sensory Language • Conservation

Instructional Uses: Read-Aloud, Close Reading, Science & Literacy Integration

English / Language Arts (ELA)

Reading Foundations (RF)

3.RF.4

Read with sufficient accuracy and fluency to support comprehension.

Classroom Connection: Choral and expressive reading of rhythmic passages to build fluency and phrasing.

Reading: Literature (RL)

3.RL.1

Ask and answer questions to demonstrate understanding of a text, referring explicitly to the text as the basis for the answers.

Classroom Connection: Text-based questions about Baby Bat's actions and Mama Bat's responses.

3.RL.2

Recount stories and determine the central message, lesson, or moral.

Classroom Connection: Discussing themes of perseverance, caregiving, and protection.

3.RL.3

Describe characters in a story and explain how their actions contribute to the sequence of events.

Classroom Connection: Analyzing how Baby Bat's movements lead to the reunion.

3.RL.4

Determine the meaning of words and phrases as they are used in a text, distinguishing literal from nonliteral language.

Classroom Connection: Exploring sensory language and onomatopoeia.

3.RL.7

Explain how illustrations contribute to what is conveyed by the words in a story.

Classroom Connection: Using illustrations to interpret bat behavior and emotions.

Reading: Informational Text (RI)

3.RI.1

Ask and answer questions to demonstrate understanding of a text, referring explicitly to the text as the basis for the answers.

Classroom Connection: Answering questions using sidebar facts and back matter.

3.RI.2

Determine the main idea of a text; recount key details and explain how they support the main idea.

Classroom Connection: Identifying key facts about bats and their role in ecosystems.

3.RI.3

Describe the relationship between a series of historical events, scientific ideas, or concepts.

Classroom Connection: Cause-and-effect relationships (foraging → pup safety).

3.RI.4

Determine the meaning of general academic and domain-specific words and phrases.

Classroom Connection: Vocabulary such as *echolocation*, *nocturnal*, *conservation*.

3.RI.5

Use text features to locate information efficiently.

Classroom Connection: Sidebars, glossary, and headings.

3.RI.7

Use information gained from illustrations to demonstrate understanding.

Classroom Connection: Explaining habitats and bat behavior through visuals.

Writing (W)

3.W.2

Write informative/explanatory texts to examine a topic and convey ideas clearly.

Classroom Connection: Writing an informational report about bats.

3.W.3

Write narratives to develop real or imagined experiences using descriptive details and clear event sequences.

Classroom Connection: Retelling Baby Bat's journey with expanded details.

3.W.7

Conduct short research projects that build knowledge about a topic.

Classroom Connection: Researching bats or endangered animals.

3.W.8

Recall information from experiences or gather information from sources to answer questions.

Classroom Connection: Using the book as a primary source.

Speaking & Listening (SL)

3.SL.1

Engage effectively in collaborative discussions.

Classroom Connection: Group discussions and literature circles.

3.SL.2

Determine main ideas and supporting details from a text read aloud.

Classroom Connection: Oral summaries of bat facts.

3.SL.4

Report on a topic or text with appropriate facts and relevant details.

Classroom Connection: Oral presentations on bat conservation.

3.SL.6

Speak in complete sentences appropriate to task and situation.

Classroom Connection: Structured discussion and presentations.

Language (L)

3.L.4

Determine or clarify the meaning of unknown words and phrases.

Classroom Connection: Using context clues and reference materials.

3.L.5

Demonstrate understanding of word relationships and nuances.

Classroom Connection: Exploring synonyms and descriptive language.

Mathematics

3.CA.1–4

Use place value and operations to solve problems.

Classroom Connection: Analyzing numerical data from bat facts (e.g., insects eaten).

3.MD.1–4

Solve problems involving measurement and estimation.

Classroom Connection: Measuring bat wingspans or cave models.

3.G.1–2

Understand properties of shapes.

Classroom Connection: Identifying geometric forms in cave structures.

Science

3-LS1-1

Develop models to describe organisms' life cycles.

Classroom Connection: Modeling bat life stages.

3-LS4-3

Construct an argument with evidence that animals can survive in their habitats.

Classroom Connection: Using book facts to explain bat adaptations.

3-ESS3-1

Make a claim about the merit of a design solution to reduce environmental impact.

Classroom Connection: Proposing ways to protect bats and habitats.

Social Studies

3.1.1

Explain how individuals and groups contribute to their community.

Classroom Connection: Bat conservationists and community action.

3.2.2

Analyze how people modify and adapt to their environment.

Classroom Connection: Human impact on bat habitats.

3.3.1

Identify natural resources and explain their importance.

Classroom Connection: Bats as pollinators and pest control.

Teacher Summary

This book supports Indiana Grade 3 standards across literacy, science, math, and social studies by integrating rich narrative language, scientific information, and environmental stewardship.