Winchester ELA Curriculum Grade 3

Subject	Language Arts					
Grade/Course (Grade 3					
Unit of Study	Unit 5: Research Clubs: Elephants, Penguins, and Frogs, Oh My! (Book 4)/Writing					
	About Research (Teachers College Online Unit)					
	(Title is linked to If/Then Lessons)					
	April - May					
	This content should be taught near the end of the year in Grade 3. The reading &					
	writing topics unfold over 19 and 21 sessions, respectively, with a suggested					
	timeline of approximately 4 uninterrupted weeks of instruction. In order to ensure that all students master unit/lesson objectives, the actual pacing may vary to					
	nclude appropriate embedded	•				
	 -3 days of additional time for 		-			
	ddress all teaching points.	somedate interruptions and	ran over moraer to			
		ntent Standards				
	Reading Foun	dational Skills				
RF.3.3: Know and app	y grade-level phonics and wo	rd analysis skills in decodin	g words			
	icient accuracy and fluency to	•	0			
Reading	Writing Speaking/Listening Language					
<u>Literature</u> and						
<u>Informational</u>						
<u>RI.3.1</u>	<u>W.3.2</u>	<u>SL.3.3</u>	<u>L.3.1</u>			
Ask/answer questions	Informative text with	Ask questions offering	Demonstrate command			
referring explicitly to	topic, group	appropriate	of conventions of			
text	information, develop,	elaboration/detail	standard English			
DL 2 2	use linking words,		grammar and usage			
RI.3.2 Identify main idea and						
key details	·		Use spelling patterns			
Key details	Use tech to produce, appropriate pace		and generalizations			
RI.3.8	publish, interact,					
Identify connections in						
sentences, paragraphs	·					
	<u>W.3.7</u>	Create an audio recording with fluid Use words acquired through conversation,				
<u>RI.3.9</u>	Short research to build	reading, use visuals to academic, domain-				
Compare points and	knowledge	emphasize, enhance	specific words			
details in two texts on		information				
same topic	<u>W.3.8</u>		<u>L.3.5</u>			
	Gather information,		Demonstrate			
	take notes, sort into		understanding of word			

catagories	rolationshins		
categories	relationships		
Essential Questions	Corresponding Big Ideas		
1. How do readers research to learn?	1. Students need to create a plan in which		
	they gather text, draw on prior		
	knowledge, be cognizant of text structures		
	and ask questions to expand their focus.		
2. How can I raise the level of my research-	2. Writers transfer all they know about		
based information writing, in particular, by	information writing to each new all-about		
working on structure and development?	book. Writers think about their topic and		
	research and use specific elaboration		
	techniques and text structures that will		
	help to advance the big ideas they are		
	trying to convey to readers.		
Reading Bends	Writing Bends		
Bend 1: This bend develops the research process	A note about this unit:		
by organizing their study and learning. The bend	As organized in this document, this writing unit is		
begins with you scaffolding the learning for	meant to go hand-in-hand with the Research		
students by co-constructing a whole-class study of	Clubs: Elephants, Penguins, and Frogs, Oh My!		
the penguin. Students will gather texts related to	reading unit. In reading, students work in clubs		
sub-topics, draw on prior knowledge, and preview	and study first one animal and then another.		
texts to maintain engagement. Students will be linking information they already knew to new	Across this writing unit, then, students will collaborate to write club books about each animal		
information. The last work of this bend focuses on	they research, and then they'll write a club book		
"zeal" and student engagement. The message is	that captures the ideas they develop in the final		
that "your reading life is yours. you are the author	bend of the unit. For more on maximizing reading-		
of your own reading life."	writing connections see Writing About Research		
,	Unit page 5.		
Bend 2: This bend reinforces students' knowledge			
and use of the research process with a focus on	This writing unit builds on what students learned		
transferring skills, fluency, determining the main	in <i>The Art of Information Writing (</i> Winchester's		
idea, determining structure and thinking about	2nd unit in grade 3). Depending on student		
similarities and differences in texts. Students	assessment data, you might revisit teaching points		
continue to work in the same clubs but this time	or anchor charts from this previously taught unit.		
studying a different animal. Students will be encouraged to pay particular attention to domain-	Bend 1 : In this bend, students write new all-about		
specific vocabulary. You will highlight the fact that	books on the animal they are researching by		
not only have they learned many interesting things	writing to grow ideas and using what they know		
about the animals they are researching but they	about creating powerful tables of contents,		
have learned about the process of of reading	teaching others and drafting chapters using their		
information text to develop expertise on a topic.	knowledge of elaboration.		

Reading with an "expert voice" is highlighted to convey the information in an explaining voice. Several sessions in this bend will be spent teaching students to use text structure (especially, within the section or "chunk" he/she is reading) as an organizer to support comprehension as well as finding the topic sentence. This work helps students determine importance and figure out main ideas of a text. Teaching cause and effect structure builds off of this. You will want to teach students specific cues for this such as- because of, this led to, if-then, since, as a result, may be due to, consequently.

*Please note that teaching point 11 has particular significance to this unit. Before this lesson, think about the topic: comparing and contrasting. This session aims to get students to do this kind of thing.

Bend 3: This bend allows students to read across topics (two classes of animals-frogs and penguins) and apply their knowledge to a real-world problem. The club will decide which subtopics they want to take on asking questions such as "What's the same about these two animals? What's different about these two animals? What can this tell me about the animal kingdom in general?" leading to more complex wondering forming theories and asking "why?" to do more reading to find answers. Students will begin to use words and concepts such as adaptation, habitat, survival, defenses, migration, protection. The unit bend ends with students applying their knowledge to a real-world problem such as: How can they build a better zoo, given what they know about animals? How can they protect animals that are on the verge of extinction?

Bend 2: Students write another all-about book, this time about the second animal they are studying. These books have a particular emphasis on text structure. Students collaborate to develop their writing, supporting their cross-text(s) synthesis skills.

Bend 3: In this bend, students learn how to use what they know about information writing to write books that advance the big ideas the club has been exploring. Clubs write books exploring big ideas: animal adaptations, differences in animal habitats, and more. Students use peer conferring and self-assessment.

on the verge of extinction:				
Teaching Points				
Reading Writing				
Bend I:	Bend I:			
1. Orient to a text set (previewing skills)	1. Observe to notice and think about details			
2. Identify and synthesize sub-topics	2. Use research to expand your ideas and			

- 3. Use specialized/technical/academic lingo
- Make commitment to collaborative inquiries
- 5. Generate own ideas
- 6. Ask "why" and "why not" questions

Bend II:

- 7. Make a plan for a study
- 8. Read non-fiction with volume and fluency
- Use text structures to organize learning (main ideas & supports, sequence)
- 10. Examine compare/contrast as a text structure
- 11. Examine cause & effect as a text structure
- 12. Analyze choices made by the author

Bend III:

- 13. Expand focus to see patterns and relationships
- 14. Ask questions to expand thinking
- 15. Focus on the research process
- 16. Develop evidence-based theories throughout the research process
- 17. Research around topics for big picture
- 18. Research solutions to real world problems
- 19. Complete and share research projects

- write more about a topic
- Plan a table of contents with a clear text structure (see sample graphic organizer and Strong Tables of Contents chart in Anchor Chart section of this unit)
- 4. Rehearse by teaching peers to identify what you know and what you need to learn more about
- Use what you know about organizing tables of contents to organize chapters (see Strong Tables of Contents chart in Anchor section of this unit)
- Use elaboration strategies to teach readers more (e.g., use quotations, statistics, anecdotes, observations, descriptions, vocabulary words and definitions, diagrams, pictures, lists, labels, different punctuation: colons, dashes, parentheses, etc.)
- Collaborate with partners to elaborate more (e.g., Ask: "What do I know that I could add to this information? And, where, precisely, should I add that new information in?")

Bend II:

- 8. Plan out an entire book and each chapter
- 9. Study elaboration in mentor texts to teach readers about subtopics
- 10. Interest readers using a balance of facts and your ideas
- 11. Write chapters in multiple ways
- 12. Research to add facts and examples in writing (e.g., research by searching through notebooks, books or picking the brains of co-researchers)
- 13. Write powerful introductions to the book and each chapter
- 14. Draft conclusions for the book and each

chapter that leave readers understanding what they read

Bend III:

- 15. Plan a logical order for chapters and a structure for each chapter (see sample graphic organizer for teaching point 15 in Anchor Chart section of this unit)
- 16. Use everything you know to draft strong chapters (e.g., earlier charts and checklists)
- 17. Use text features to highlight main ideas
- 18. Write so that readers will understand
- 19. Confer with a partner to share and improve writing (e.g., give your partner a compliment and a tip; see "Things You Can Say to Your Writing Partner" in Anchor Chart section of this unit)
- 20. Edit
- 21. Celebration

Word Study Topics

Unit 11 (2 weeks)*

- Contractions
- Uppercase cursive letters: Q, X
- Sample words: doesn't, can't, don't
- Sound Alike Words: it's, its, there, their, they're

Unit 12 (2 weeks)*

- Soft sound of c after e, i, y spelling
- Soft sound of g after e, i, y spelling
- English words do not end in j
- dge after a short vowel
- Silent e spelling rule after soft g and c
- Uppercase cursive letters: S, I, J
- Sample words: gentleman, entrance, bridges, replacing
- Sound Alike Words: cell, sell, peace, piece, cent, sent, scent, scene, seen

Fundations Unit Test Scoring Guidelines

Discrete foundational reading skills are also practiced during reading and writing instruction. Student assessments will be used to determine foundational skills that need to be taught, re-taught and/or

reinforced to individual students from the previous units during conferring and small group instruction workshop time.

*Units referenced come from Fundations Program.

For additional sample words refer to the unit resource pages at the end of each unit in the Fundations teacher's manual. This provides examples for drill sounds/warm-up, echo sounds, review and current unit trick words, review and current unit words/nonsense words, and unit dictation sentences.

Evidence of Learning - Assessment

TC High Leverage Reading Assessment

*See Heinemann Online Resources for copies. District may designate the use of another version of assessment.

Smarter Balanced Assessment Resources

The following links will provide rubrics to use in the holistic scoring of narrative, opinion, and informational writing:

Smarter Balanced Brief Write Rubrics (3-11)

<u>Smarter Balanced Narrative Performance Task Writing Rubric</u> (Grade 3-8) <u>Smarter Balanced Informational Performance Task Writing Rubric</u> (Grade 3-5) <u>Smarter Balanced Opinion Performance Task Writing Rubric</u> (Grade 3-5)

Smarter Balanced Interim Blocks

Interim assessment blocks may be used for a variety of assessment purposes, including: pre/post, interim and formative (additional evidence of learning).

The items on the interim assessments are developed under the same conditions, protocols, and review procedures as those used in the summative assessments. Therefore, they assess the same Common Core State Standards, adhere to the same principles of Universal Design in order to be accessible to all students, and provide evidence to support Smarter Balanced claims in mathematics and ELA/literacy. The interim assessment items are non-secure but non-public. This means that educators may view the items, however, they should not be made public outside of classroom, school or district use.

Unit-aligned Smarter Balanced Interim Assessment Block (IAB)*:

IAB - ELA Grade 3- Research - CSDE Comprehensive Assessment Portal (Click on Smarter Balanced Assessment - tab on left; then, click on Assessment Viewing Application)

*Some interim blocks show clear, strong alignment to priority standards within the unit. Other blocks have been placed in one specific unit but could be aligned to the priority standards of several units. Blocks have been spread out over the course of all units for a more balanced approach to assessment throughout the school year. These interim blocks, used in partnership with the Style Guide, will support the creation of unit- and standard-aligned items for instructional use.

Pre/Post Assessment	Interim Assessment	Additional Evidence of	
		Learning	
 Fundations unit test 	 Running Records 	 Fundations Dictation 	
	(including Checklist of	Check-Ups within Unit	
Reading:	Reading Behaviors)*		

Before the unit begins strongly consider administering a performance assessment.

- <u>Teacher Instructions</u>*
- Preassessment*
- <u>Preassessment Sample</u>
 Resources*
- Postassessment*
- <u>Postassessment Sample</u> Responses*
- Student Rubric*
- Learning Progression*

Writing:

Pre-assessment Begin with an on-demand
assessment that reveals what
students know about
informational writing.

Post-assessment Conduct another on-demand
information writing assessment,
using the same prompt and
conditions as the preassessment so that students'
writing will be comparable.
Additionally, you may invite
students to publish a book and
have these books added to
classroom and/or school
libraries. Your students may
benefit from having a broader
audience for their writing.

- On-demand
 <u>Performance</u>
 <u>Assessment Prompt for</u>
 Information Writing*
- Informational Writing Checklist*
- Writing Pathways*: performance assessments for Informational:

- WPM rate benchmark chart
- Informational Reading Learning Progression*
- <u>Learning Progressions</u>
 <u>Information Writing*</u>

Reading:

- Conferring notes
- Observation of small group work
- F&P Continuum of Literacy Question Stems by GRL
- Exit tickets
- Daily reading log sheet
- Homework has been provided for each session and can be used as a formative assessment

Writing:

- Writing process drafts
- Conferring notes and <u>Conferring Scenario</u> <u>Chart for Information</u> Writing*
- Observation of small group work
- Student work: One or more student work samples for each writing session*
- <u>Informational Writing</u><u>Checklist</u>*

-writing rubrics	
-student writing sample	
-writing developed	
through the	
progression	
progression	
Teacher Created Assessments	
reacher Created Assessments	
 Research Clubs Unit 5 	
Dro/Dost Assessment	
Pre/Post Assessment	
	1

Learning Plan

Researched-based Instructional Resources and Methods

The reading and writing workshop model is a researched-based instructional model.

See A Guide to the Reading Workshop Model: Primary Grades, (2015), Calkins et. al. and A Guide to the Common Core Writing Workshop, 2012, Calkins et. al. included in the series component bundle.

The Heinemann Online Resources includes a study guide for the *Units of Study for Teaching Reading* under "Latest News and General Information." This resource provides step by step instructions for implementing the workshop model, including guiding questions and detailed explanations of:

- the architecture of the mini-lesson: connection (teaching point), direct instruction and active engagement, link
- the architecture of a conference and small group work: mid-workshop teaching
- share/whole group processing
- setting up and provisioning the reading workshop

The Heinemann online resource also contains a video orientation that guides teachers through "unpacking the unit" and offers specific tips and demonstrations of best practices associated with delivering reading and writing workshop.

Anchor Charts

Commercially developed Anchor Chart Notes are one of the series components included with the Units of Study bundles for both reading and writing. Teachers may prefer to construct their own or co-construct these charts with students to serve as reference of summarized, illustrated teaching points.

Reading	Writing
To Research	Elaborate Like a Pro, Study Mentor Texts as You
Color / B&W Readers Take Notes	Go! Color / B&W
Color / B&W	Information Writers Try Different Structures on for
	Size <u>Color</u> / <u>B&W</u>
	Sample Graphic Organizer - Teaching Point 3
	Be sure that you're modeling how different tables

				our topic might look. For example,
if modeling with the topic of penguins:				
	1			
'	Ve	Ve	Ve	
	rsi	rsi	rsi	
	on	on	on	
	1	2	3	
h	Kin	Pa	W	
	ds	rts	ays	
	of	of	Pe	
	Pe	Pe	ng	
ŀ	ng	ng	uin	
1	uin	uin	S	
1	S	S	Pr	
			ot	
	- Em	- Be	ect Th	
	pe	ak	em	
	ror	(us	sel	
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	ng	to	S	
1	uin	cat	-	
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	abl y)	s	
	th	Fe	ar	
	e	at	e	
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	ow	elp	hel	
	n)	to	p +b	
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ng to wit wit sw h s im ot qui he Ge ckl r nt y) pe oo - ng pe Fli uin ng pp s uin ers to s (h ke elp to wa sw rm im -) Th ey ca n sw im fas t in wa ter to esc ap e pr ed at ors
Sample Graphic Organizer - Teaching Point 15 (logical chapter order and selecting structure for each chapter)
Animal Babies and Parents
Chap Struc ter ture
All Boxe Abou s and

t Anim al Babi es	Bulle ts	
Raisi ng a Baby Peng uin	Chro nolo gical	
Peng uin Babi es vs. Frog Babi es	Com pare and Cont rast	
Peng uin Pare nts vs. Frog Pare nts	Com pare and Cont rast	
What Happ ens Whe n Pare nts Stay or Leav	Caus e and Effec t	
		Say to Your Writing Partner" e you working on as a writer?
		show me where you tried that? anything tricky I can help you

with? I want to compliment you on ... One tip I can give you ... Try it, and I'll help you! **Instructional Moves** Bauman, L..; Burke, James (Jim) R. (Robert). 2014. The Common Core Companion: The Standards Decoded, Grades 3-5: What They Say, What They Mean, How to Teach Them (Corwin Literacy). SAGE Publications. **Possible Student Challenges Teacher Moves** Identifying the meaning of common prefixes and 1. Have students highlight prefixes and derivational suffixes suffixes in words to aid in determining meaning. 2. Use sticky notes or annotate in the margin the meaning by identifying the prefix and its meaning, the root word and its meaning and the suffix and its meaning. 3. Use graphic organizers to show the parts of the word, their meaning, and then when put back together, the meaning of the unfamiliar word. 1. Write text dependent questions on sticky Determining what the text says explicitly notes or annotate in the margins. Model how to find the answers by annotating in the margin the exact words where questions are answered. 2. Coach students to highlight specific details and annotate their thinking. Remind students to say what the text says, not what they think it says. Summarizing and paraphrasing information 1. Model using a document camera or interactive whiteboard with a shared text. Highlight or annotate important information then using note cards summarize the highlighted information. 2. Create charts and organizers that delineate the steps in how to summarize Developing topic with details, examples and 1. Model how to choose a topic and add information details and/or how to write and use categories and headings. 2. Provide graphic organizers, information maps, outlines and so on to help students organize their thinking. 3. Practice together writing a topic on a sheet of chart paper, then have students

- generate details, examples, and information on sticky notes. Place these on the chart paper and move them to group relevant facts together.
- 4. Work directly with students to generate ideas and gather evidence, data, examples or other content; then develop with them criteria for how to evaluate and choose the best of the bunch to work into their writing.

Mentor, Demonstration, Read-aloud, Shared Texts

*Included in the Grade 3 Trade Pack

Reading

May include other similar texts of the appropriate grade level band

Read-Aloud Text

The Whispering Land by Gerald Durrell and Ralph Thompson

Demonstration Texts

- *The Life Cycle of an Emperor Penguin by Bobbie Kalman and Robin Johnson
- *Penguins by Bobbie Kalman
- *The Penguin by Béatrice Fontanel
- "I Whistle a Happy Tune" lyrics
- *The Life Cycle of a Frog by Bobbie Kalman and Tammy Everts*
- *Frogs! by Elizabeth Carney
- "The Trials of a Tadpole" video from National Geographic

(www.youtube.com/watch?v=r3zqdWSYgSA)

*Frogs and Toads by Bobbi Kalman and Tammy Everts

Penguins by Lucia Raatma and Ruth Bjorklund Penguins by Seymour Simon Giraffes by Emilie U. Lepthien This writing unit uses the same materials gathered for the reading unit. Students will need access to a variety of texts on different animals. This unit will also require a few additional materials, such as:

Writing

Short Videos (featuring animals that book clubs are studying - Session 2)

NationalGeographic.com

BBC's wildlife nature video clip collection
BBC Video of penguin chicks trying to survive in winter

Mentor Texts with Clear Structure and Elaboration

*The Life Cycle of an Emperor Penguin by Bobbie Kalman (see Writing About Research Unit for specific ideas on modeling with this text)
Other Bobbie Kalman texts

Teacher Topics

You'll want to select the topics you model with. In Bend 1, it is recommended to model writing about penguins. In Bend 2, it is recommended to model writing about frogs. These topics mirrors the topics you model with in the *Research Clubs* unit. In Bend 3, it is recommended to model writing about Animal Babies and Parents.

Read-Aloud & Shared Reading

Read-Aloud goals

Internalize reading behaviors (preview, make predictions, anticipate) Monitor for sense and re-reading Process the text

Whole-class book talk

Read-Aloud process:

Before You Read (introduce book, title, author, wonder about the title)

As You Read (look at pictures, read with prosody, retell)

After You Read (whole class book talk)

Shared reading goals

Practice using meaning, structure, visuals (MSV) to solve new words

Shared reading process:

Introduce the book and key concepts Cross-checking sources of information Word Study Fluency

Vocabulary

*Vocabulary identified in <u>Smarter Balanced Construct Relevant Vocabulary for English Language Arts</u> and Literacy

Tier 2 (Academic Vocabulary)	Tier 3 (Domain Specific Vocabulary)
adapt	all-about books
adaptation	evidence-based
advance	habitat
collaborate	information text/writing*
elaboration*	table of contents
examples*	technical vocabulary
facts*	text feature
inquiry	text structure
key details*	
lingo	
migration	
observe/observation	
pace	
predator	
reason(s)*	
refrain	
rehearse	
research	
resources	
subtopic/topic*	
survive	

Suggestions for Differentiation, Scaffolding, Intervention and Enrichment

<u>CT Dept. of Education Evidence-based Practice Guides</u> – These guides provide links to "evidence-based activities, strategies and interventions (collectively referred to as 'interventions')."

Up the Ladder: Assessing Grades 3-6 Writing Units of Study books and online resources

• There are three units in the *Up the Ladder* series, and each contains 20-22 sessions. These books have been designed for children in grades 3-6 who may not yet have had many opportunities to practice writing narrative, information, and opinion/argument pieces, or might have not have had those experiences in workshop-style classrooms. The units aim to support students in writing with increasing volume and with growing skill and sophistication. Sessions in the *Up the Ladder* series are shorter and simpler than those in the writing Units of Study.

Use individual student performance data to inform intervention in small group and conferring work.

Effective Intervention Strategies for Teachers

- Use grouping
- Use feedback, reinforcement and recognition
- Use similarities and differences
- Use advanced organizers such as graphic organizers
- Provide feedback
- Use summary and note taking
- Use hands-on, non-linguistic representations

Meeting Students' Needs Through Scaffolding

- Identify, bold, and write in the margins to define words that cannot be understood through the context of the text
- Chunk long readings into short passages (literally distributing sections on index cards, for example), so that students see only the section they need to tackle
- Encourage/enable students to annotate the text, or—if they can't write directly on the text—providing sticky notes or placing texts inside plastic sleeves
- Supply sentence starters so all students can participate in focused discussion
- Place students in heterogeneous groups to discuss the text and answer text-dependent questions
- Provide task cards and anchor charts so that expectations are consistently available
- Highlight key words in task directions

Supporting Struggling Readers

- Pre-expose students to the selected text with support (audio recording, read-aloud, peer tutor etc.)
- Have students read a simple article, watch a video, or read student-friendly explanations of key information to help build background knowledge that will aid in comprehension
- Reformat the text itself to include visuals or definitions of key vocabulary
- Provide picture cues with text-dependent questions
- Provide oral rehearsal time (with buddies, small group, or a teacher) prior to writing, and/or provide writing/thinking time prior to oral presentations

Assistive Technology

Writing:

- Use different paper (wide lined, raised lines or darker lines) to increase awareness of lines
- Use the dry erase board and pens, which requires less force than a pencil (photocopy the results if they need to be turned in)
- Use a copy machine to enlarge worksheets to be completed to provide a larger area to write
- If computers and internet are available: use free text-to-speech software or use spell/grammar check to edit and revise

Reading:

- Increase space between words/lines
- Color code words in text
- Use tools to modify the visual presentation of text
- Use highlighters, color-coding dots, and post-its to identify the main idea, supporting details, and other key words or ideas

English Learners

Colorin Colorado

CT English Learner Proficiency Standards, Linguistic Supports

- Use visual supports: pictures, illustrations, videos, models, gestures, pointing, realia, graphic organizers (before, during, and after reading or viewing), and acting out/role playing
- Provide explicit academic vocabulary (see glossary) instruction: word walls, personal dictionaries, bilingual dictionaries/glossaries, picture/video dictionaries, graphic organizers, word cards with pictures, word sorts, etc.
- Make connections to students' prior experiences
- Build background knowledge
- Use scaffolding techniques: jigsaws, think-alouds, graphic organizers, sentence starters/sentence frames

Enrichment strategies

- P. Wood, 2008. "Reading Instruction with Gifted & Talented Readers."
 - Use of more advanced trade books
 - Independent reading and writing choices
 - Focus on developing higher level comprehension skills, along with higher level questioning
 - Opportunities for book discussions critical reading & creative reading
 - Use of technology and the web

Interdisciplinary Connections

Social Studies Grade 3: Connecticut and Local History

The theme of Using Evidence to Learn About the Past could reasonably be applied to content areas such as:

- Indigenous peoples of Connecticut (cultural diversity)
- Human geography and economic development (influence of geography)
- Structure and function of local and state government (creation of Connecticut state identity)
- Connecticut's role in the history of America (using evidence to learn about the past)

Consider opportunities for students to read/write on related topics.

NGSS Grade 3 Science topics include:

- Forces and interaction
- Interdependent relationships in ecosystems
 - Social interaction and group behavior Being part of a group helps animals obtain food, defend themselves, and cope with changes. Groups may serve different functions and vary dramatically in size.
 - Evidence of common ancestry and diversity Some kinds of plants and animals that once lived on Earth are no longer found anywhere.
 - O Adaptation For any particular environment, some kinds of organisms survive well, some survive less well, and some cannot survive at all.
- Life cycles and traits
- Weather and climate

If students are reading and writing about animals, consider opportunities to directly align learning with NGSS science topics, or consider other opportunities to read, write, and communicate about related science topics.