

Understand the unique skills of subject-area reading



KRISTI McCULLOUGH
kmccullough@smekenseducation.com

Apply Reading and Thinking Voices in all subjects.

Acknowledge that every teacher is a reading teacher.

ENGLISH/LANGUAGE ARTS

Cinderella lived under the tyranny of her unjust stepfamily. Her stepmother locked her in a room to keep her from going to the Ball. However, Cinderella's Fairy Godmother came to her rescue, providing all she needed. Once there, Cinderella and the Prince danced until the magic wore off and turned her beautiful gown back to rags. As she ran away, she tripped and lost one of her glass slippers. The Prince searched the Kingdom to find the one who was its true match.

READER THINKING & EXPECTATIONS:

- Reading is meant to **convey an experience** to the reader.
- Understanding of the individual **story elements** that compose the whole work.
- **Rich language** includes multiple meaning words, figurative language, etc.
- Heavy emphasis on **inferring** author ideas and intentions.



SPIN-OFF SESSION
COMPREHENSION STANDARDS
Session 1 | Summarize Literature

8:40		Morning Work & Calendar
9:20		Reading & Stations
11:00		Art
11:45		Lunch
12:50		Computer Lab
1:35		Math
2:15		Read Aloud
2:45		Science Social Studies

- 1 English/ Lang. Arts
- 2 Social Studies
- 3 Math
- 4 FACS
- 5 Business
- 6 Physical Education
- 7 Science

Identify textual differences.

HISTORY/SOCIAL STUDIES

By 1929, American factories were turning out nearly half of the world's industrial goods. The rising productivity led to enormous profits. However, this new wealth was not evenly distributed.

SCIENCE

The cells that line the nasal cavities have cilia, tiny hairlike extensions that can move together like whips. The whiplike motion of these cilia sweeps the mucus into the throat, where you swallow it.

MATH

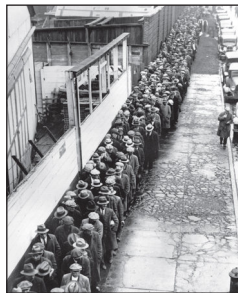
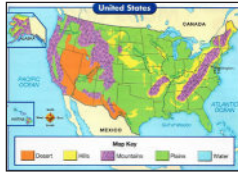
At time $t=0$, a tank contains 4 lb. of salt dissolved in 100 gal. of water. Suppose that brine containing 2 lb. of salt per gallon of water is allowed to enter the tank at a rate of 5 gal./min. and that the mixed solution is drained from the tank at the same rate. Find the amount of salt in the tank after 10 min.



SOCIAL STUDIES | Government, Geography, History, Cultures

COMMON TEXT TYPES:

- History textbook(s)
- Primary source documents— essays, speeches, legal contracts/agreements
- Biographies, autobiographies
- Maps, time lines, photographs
- News articles
- Opinion/Persuasive texts— essays, speeches, editorials, campaign advertising, propaganda
- Firsthand accounts (journal/diary entries, personal letters)
- Secondhand accounts (minutes/published proceedings)
- Artistic representations of the culture/event (artifacts, paintings, drawings, film, editorial/political cartoons)



TEXT CHALLENGES:

1. Students assume all historical information is accurate. Although it's published in a textbook and read in class, it's not necessarily true.
2. The vocabulary includes more abstract concepts (e.g., economic depression, democracy, etc.) than concrete nouns or processes stated in math and science texts (e.g., diameter, angle, water cycle).
3. Students consider the information only in the context of itself— not seeing the bigger picture or its possible impact.

READER THINKING & EXPECTATIONS:

- Reading **narrative accounts**/theories of historical events.
- Understanding of **cause-effect relationships** (those who acted and those who were affected).
- Balancing **fact v. opinion**, interpretation, and author **perspective**.
- Understanding of author bias/**interpretation** is necessary.
- Heavy emphasis on reading **multiple accounts**.

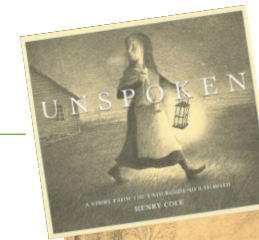
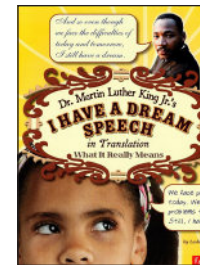
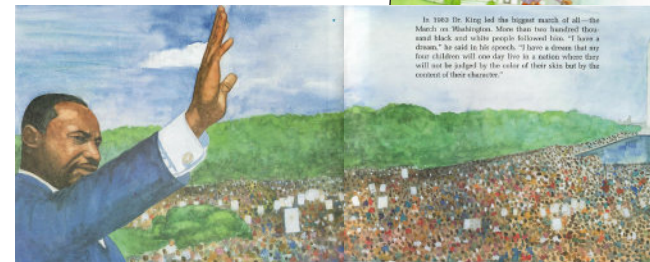
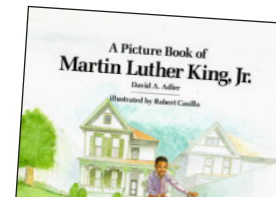


Table of Contents	
4	CHAPTER 1 THE BEGINNING
12	CHAPTER 2 SETTLING THE WEST
20	CHAPTER 3 THE GREAT PLAINS AND WEST
28	CHAPTER 4 THE GREAT PLAINS AND WEST
36	CHAPTER 5 THE GREAT PLAINS AND WEST
44	CHAPTER 6 THE GREAT PLAINS AND WEST
52	CHAPTER 7 THE GREAT PLAINS AND WEST
60	CHAPTER 8 THE GREAT PLAINS AND WEST
68	CHAPTER 9 THE GREAT PLAINS AND WEST
76	CHAPTER 10 THE GREAT PLAINS AND WEST
84	CHAPTER 11 THE GREAT PLAINS AND WEST
92	CHAPTER 12 THE GREAT PLAINS AND WEST
100	CHAPTER 13 THE GREAT PLAINS AND WEST
108	CHAPTER 14 THE GREAT PLAINS AND WEST
116	CHAPTER 15 THE GREAT PLAINS AND WEST
124	CHAPTER 16 THE GREAT PLAINS AND WEST
132	CHAPTER 17 THE GREAT PLAINS AND WEST
140	CHAPTER 18 THE GREAT PLAINS AND WEST
148	CHAPTER 19 THE GREAT PLAINS AND WEST
156	CHAPTER 20 THE GREAT PLAINS AND WEST
164	CHAPTER 21 THE GREAT PLAINS AND WEST
172	CHAPTER 22 THE GREAT PLAINS AND WEST
180	CHAPTER 23 THE GREAT PLAINS AND WEST
188	CHAPTER 24 THE GREAT PLAINS AND WEST
196	CHAPTER 25 THE GREAT PLAINS AND WEST
204	CHAPTER 26 THE GREAT PLAINS AND WEST
212	CHAPTER 27 THE GREAT PLAINS AND WEST
220	CHAPTER 28 THE GREAT PLAINS AND WEST
228	CHAPTER 29 THE GREAT PLAINS AND WEST
236	CHAPTER 30 THE GREAT PLAINS AND WEST
244	CHAPTER 31 THE GREAT PLAINS AND WEST
252	CHAPTER 32 THE GREAT PLAINS AND WEST
260	CHAPTER 33 THE GREAT PLAINS AND WEST
268	CHAPTER 34 THE GREAT PLAINS AND WEST
276	CHAPTER 35 THE GREAT PLAINS AND WEST
284	CHAPTER 36 THE GREAT PLAINS AND WEST
292	CHAPTER 37 THE GREAT PLAINS AND WEST
300	CHAPTER 38 THE GREAT PLAINS AND WEST
308	CHAPTER 39 THE GREAT PLAINS AND WEST
316	CHAPTER 40 THE GREAT PLAINS AND WEST
324	CHAPTER 41 THE GREAT PLAINS AND WEST
332	CHAPTER 42 THE GREAT PLAINS AND WEST
340	CHAPTER 43 THE GREAT PLAINS AND WEST
348	CHAPTER 44 THE GREAT PLAINS AND WEST
356	CHAPTER 45 THE GREAT PLAINS AND WEST
364	CHAPTER 46 THE GREAT PLAINS AND WEST
372	CHAPTER 47 THE GREAT PLAINS AND WEST
380	CHAPTER 48 THE GREAT PLAINS AND WEST
388	CHAPTER 49 THE GREAT PLAINS AND WEST
396	CHAPTER 50 THE GREAT PLAINS AND WEST
404	CHAPTER 51 THE GREAT PLAINS AND WEST
412	CHAPTER 52 THE GREAT PLAINS AND WEST
420	CHAPTER 53 THE GREAT PLAINS AND WEST
428	CHAPTER 54 THE GREAT PLAINS AND WEST
436	CHAPTER 55 THE GREAT PLAINS AND WEST
444	CHAPTER 56 THE GREAT PLAINS AND WEST
452	CHAPTER 57 THE GREAT PLAINS AND WEST
460	CHAPTER 58 THE GREAT PLAINS AND WEST
468	CHAPTER 59 THE GREAT PLAINS AND WEST
476	CHAPTER 60 THE GREAT PLAINS AND WEST
484	CHAPTER 61 THE GREAT PLAINS AND WEST
492	CHAPTER 62 THE GREAT PLAINS AND WEST
500	CHAPTER 63 THE GREAT PLAINS AND WEST
508	CHAPTER 64 THE GREAT PLAINS AND WEST
516	CHAPTER 65 THE GREAT PLAINS AND WEST
524	CHAPTER 66 THE GREAT PLAINS AND WEST
532	CHAPTER 67 THE GREAT PLAINS AND WEST
540	CHAPTER 68 THE GREAT PLAINS AND WEST
548	CHAPTER 69 THE GREAT PLAINS AND WEST
556	CHAPTER 70 THE GREAT PLAINS AND WEST
564	CHAPTER 71 THE GREAT PLAINS AND WEST
572	CHAPTER 72 THE GREAT PLAINS AND WEST
580	CHAPTER 73 THE GREAT PLAINS AND WEST
588	CHAPTER 74 THE GREAT PLAINS AND WEST
596	CHAPTER 75 THE GREAT PLAINS AND WEST
604	CHAPTER 76 THE GREAT PLAINS AND WEST
612	CHAPTER 77 THE GREAT PLAINS AND WEST
620	CHAPTER 78 THE GREAT PLAINS AND WEST
628	CHAPTER 79 THE GREAT PLAINS AND WEST
636	CHAPTER 80 THE GREAT PLAINS AND WEST
644	CHAPTER 81 THE GREAT PLAINS AND WEST
652	CHAPTER 82 THE GREAT PLAINS AND WEST
660	CHAPTER 83 THE GREAT PLAINS AND WEST
668	CHAPTER 84 THE GREAT PLAINS AND WEST
676	CHAPTER 85 THE GREAT PLAINS AND WEST
684	CHAPTER 86 THE GREAT PLAINS AND WEST
692	CHAPTER 87 THE GREAT PLAINS AND WEST
700	CHAPTER 88 THE GREAT PLAINS AND WEST
708	CHAPTER 89 THE GREAT PLAINS AND WEST
716	CHAPTER 90 THE GREAT PLAINS AND WEST
724	CHAPTER 91 THE GREAT PLAINS AND WEST
732	CHAPTER 92 THE GREAT PLAINS AND WEST
740	CHAPTER 93 THE GREAT PLAINS AND WEST
748	CHAPTER 94 THE GREAT PLAINS AND WEST
756	CHAPTER 95 THE GREAT PLAINS AND WEST
764	CHAPTER 96 THE GREAT PLAINS AND WEST
772	CHAPTER 97 THE GREAT PLAINS AND WEST
780	CHAPTER 98 THE GREAT PLAINS AND WEST
788	CHAPTER 99 THE GREAT PLAINS AND WEST
796	CHAPTER 100 THE GREAT PLAINS AND WEST

Table of Contents	
4	CHAPTER 1 THE BEGINNING
12	CHAPTER 2 SETTLING THE WEST
20	CHAPTER 3 THE GREAT PLAINS AND WEST
28	CHAPTER 4 THE GREAT PLAINS AND WEST
36	CHAPTER 5 THE GREAT PLAINS AND WEST
44	CHAPTER 6 THE GREAT PLAINS AND WEST
52	CHAPTER 7 THE GREAT PLAINS AND WEST
60	CHAPTER 8 THE GREAT PLAINS AND WEST
68	CHAPTER 9 THE GREAT PLAINS AND WEST
76	CHAPTER 10 THE GREAT PLAINS AND WEST
84	CHAPTER 11 THE GREAT PLAINS AND WEST
92	CHAPTER 12 THE GREAT PLAINS AND WEST
100	CHAPTER 13 THE GREAT PLAINS AND WEST
108	CHAPTER 14 THE GREAT PLAINS AND WEST
116	CHAPTER 15 THE GREAT PLAINS AND WEST
124	CHAPTER 16 THE GREAT PLAINS AND WEST
132	CHAPTER 17 THE GREAT PLAINS AND WEST
140	CHAPTER 18 THE GREAT PLAINS AND WEST
148	CHAPTER 19 THE GREAT PLAINS AND WEST
156	CHAPTER 20 THE GREAT PLAINS AND WEST
164	CHAPTER 21 THE GREAT PLAINS AND WEST
172	CHAPTER 22 THE GREAT PLAINS AND WEST
180	CHAPTER 23 THE GREAT PLAINS AND WEST
188	CHAPTER 24 THE GREAT PLAINS AND WEST
196	CHAPTER 25 THE GREAT PLAINS AND WEST
204	CHAPTER 26 THE GREAT PLAINS AND WEST
212	CHAPTER 27 THE GREAT PLAINS AND WEST
220	CHAPTER 28 THE GREAT PLAINS AND WEST
228	CHAPTER 29 THE GREAT PLAINS AND WEST
236	CHAPTER 30 THE GREAT PLAINS AND WEST
244	CHAPTER 31 THE GREAT PLAINS AND WEST
252	CHAPTER 32 THE GREAT PLAINS AND WEST
260	CHAPTER 33 THE GREAT PLAINS AND WEST
268	CHAPTER 34 THE GREAT PLAINS AND WEST
276	CHAPTER 35 THE GREAT PLAINS AND WEST
284	CHAPTER 36 THE GREAT PLAINS AND WEST
292	CHAPTER 37 THE GREAT PLAINS AND WEST
300	CHAPTER 38 THE GREAT PLAINS AND WEST
308	CHAPTER 39 THE GREAT PLAINS AND WEST
316	CHAPTER 40 THE GREAT PLAINS AND WEST
324	CHAPTER 41 THE GREAT PLAINS AND WEST
332	CHAPTER 42 THE GREAT PLAINS AND WEST
340	CHAPTER 43 THE GREAT PLAINS AND WEST
348	CHAPTER 44 THE GREAT PLAINS AND WEST
356	CHAPTER 45 THE GREAT PLAINS AND WEST
364	CHAPTER 46 THE GREAT PLAINS AND WEST
372	CHAPTER 47 THE GREAT PLAINS AND WEST
380	CHAPTER 48 THE GREAT PLAINS AND WEST
388	CHAPTER 49 THE GREAT PLAINS AND WEST
396	CHAPTER 50 THE GREAT PLAINS AND WEST
404	CHAPTER 51 THE GREAT PLAINS AND WEST
412	CHAPTER 52 THE GREAT PLAINS AND WEST
420	CHAPTER 53 THE GREAT PLAINS AND WEST
428	CHAPTER 54 THE GREAT PLAINS AND WEST
436	CHAPTER 55 THE GREAT PLAINS AND WEST
444	CHAPTER 56 THE GREAT PLAINS AND WEST
452	CHAPTER 57 THE GREAT PLAINS AND WEST
460	CHAPTER 58 THE GREAT PLAINS AND WEST
468	CHAPTER 59 THE GREAT PLAINS AND WEST
476	CHAPTER 60 THE GREAT PLAINS AND WEST
484	CHAPTER 61 THE GREAT PLAINS AND WEST
492	CHAPTER 62 THE GREAT PLAINS AND WEST
500	CHAPTER 63 THE GREAT PLAINS AND WEST
508	CHAPTER 64 THE GREAT PLAINS AND WEST
516	CHAPTER 65 THE GREAT PLAINS AND WEST
524	CHAPTER 66 THE GREAT PLAINS AND WEST
532	CHAPTER 67 THE GREAT PLAINS AND WEST
540	CHAPTER 68 THE GREAT PLAINS AND WEST
548	CHAPTER 69 THE GREAT PLAINS AND WEST
556	CHAPTER 70 THE GREAT PLAINS AND WEST
564	CHAPTER 71 THE GREAT PLAINS AND WEST
572	CHAPTER 72 THE GREAT PLAINS AND WEST
580	CHAPTER 73 THE GREAT PLAINS AND WEST
588	CHAPTER 74 THE GREAT PLAINS AND WEST
596	CHAPTER 75 THE GREAT PLAINS AND WEST
604	CHAPTER 76 THE GREAT PLAINS AND WEST
612	CHAPTER 77 THE GREAT PLAINS AND WEST
620	CHAPTER 78 THE GREAT PLAINS AND WEST
628	CHAPTER 79 THE GREAT PLAINS AND WEST
636	CHAPTER 80 THE GREAT PLAINS AND WEST
644	CHAPTER 81 THE GREAT PLAINS AND WEST
652	CHAPTER 82 THE GREAT PLAINS AND WEST
660	CHAPTER 83 THE GREAT PLAINS AND WEST
668	CHAPTER 84 THE GREAT PLAINS AND WEST
676	CHAPTER 85 THE GREAT PLAINS AND WEST
684	CHAPTER 86 THE GREAT PLAINS AND WEST
692	CHAPTER 87 THE GREAT PLAINS AND WEST
700	CHAPTER 88 THE GREAT PLAINS AND WEST
708	CHAPTER 89 THE GREAT PLAINS AND WEST
716	CHAPTER 90 THE GREAT PLAINS AND WEST
724	CHAPTER 91 THE GREAT PLAINS AND WEST
732	CHAPTER 92 THE GREAT PLAINS AND WEST
740	CHAPTER 93 THE GREAT PLAINS AND WEST
748	CHAPTER 94 THE GREAT PLAINS AND WEST
756	CHAPTER 95 THE GREAT PLAINS AND WEST
764	CHAPTER 96 THE GREAT PLAINS AND WEST
772	CHAPTER 97 THE GREAT PLAINS AND WEST
780	CHAPTER 98 THE GREAT PLAINS AND WEST
788	CHAPTER 99 THE GREAT PLAINS AND WEST
796	CHAPTER 100 THE GREAT PLAINS AND WEST



What?

Today I have a dream that **my children** will be judged for who they are and not for their skin color. I have a dream that one day white children and black children will join hands. They will play together over in Alabama, although the **leader of that state** today is a man filled with racism.

I have a dream that all the hardships of today will soon be gone. We will all live together peacefully. This is the hope we share. This is the faith we take with us as we return home.

King and his wife Coretta Scott King had four children. Their daughters are Yolande (far left) and Bernice. Their sons are Dexter and Martin Luther III (far right).

In 1969, George Wallace was Alabama's governor. He promised white people of the state, "segregation today, segregation tomorrow, segregation forever."



SPIN-OFF SESSION

CONTENT-AREA READING
Session 1 | Research Experiences

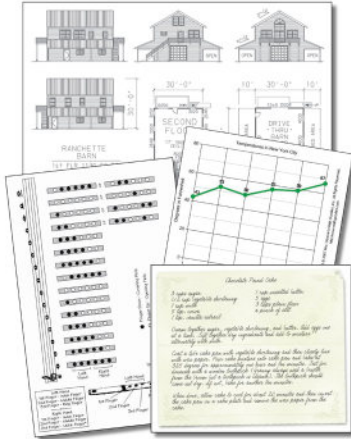


TECHNICAL TEXTS | Math, Music, Physical Education, Art, Industrial Tech, FACS

COMMON TEXT TYPES:

TRADITIONAL TEXTS

- Course textbook(s)
- Instruction manuals, labs, directions, recipes
- Methods books
- Techniques books (history of design, graphic design)
- Artist statement (purpose and intent)
- Fairy tales, novels, fiction, riddles, and songs from world cultures



VISUAL TEXTS

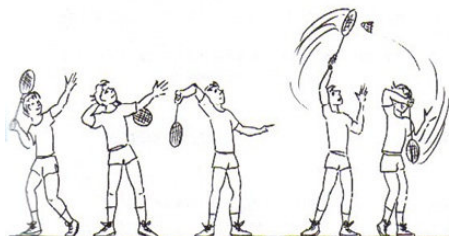
- Images, photographs
- Visuals (illustrations, maps, charts, diagrams, figures, graphs, flowcharts, playbook page)
- Artifacts, models, instruments, mediums, equipment
- Works of art (e.g., painting, graphic design, pottery)
- Fingering charts
- Blueprints
- Step-by-step posters
- Codes, formulas, pronunciation guides
- Digital symbols
- Sheet music/Music scores

NONTRADITIONAL PRINT TEXTS

- Math problems
- Word problems
- Math proofs
- Forms, contracts, documents, data, spreadsheets
- Scripts, transcripts, court cases

MULTIMODAL TEXTS

- Video, how-to tutorials
- Documentaries, news broadcasts, interviews
- Techniques, processes
- Body movements and gestures, hand signals (e.g., coaching, conducting)
- Posture, position, stance, physical form



TEXT CHALLENGES:

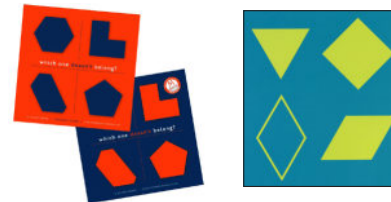
1. Technical reading is its own language. It comes with its own symbols, vocabulary, syntax, and grammar. Students who do not know the "language" struggle to comprehend.
2. Students routinely look only at the visuals (rather than reading the explanatory text) to figure out the information they need to "do."
3. They often don't know *why* they are doing *what* they are doing.



READER THINKING & EXPECTATIONS:



- Requires an **understanding of processes.**



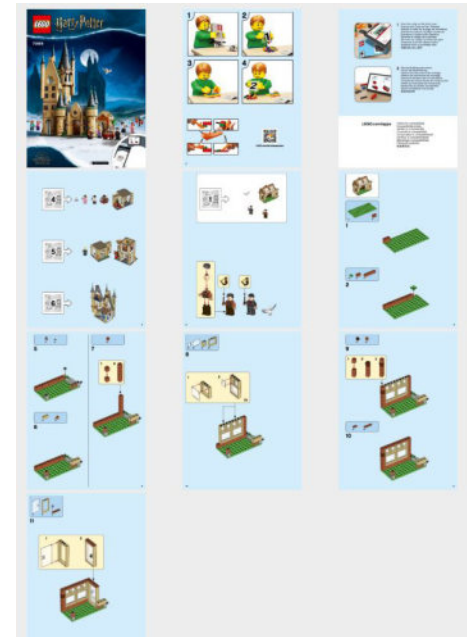
- **Precision** is essential.



- Heavy emphasis on **accuracy** and error detection.
- Reading to reach an **end result.**



66% of the reading done at school is technical. 78% of the reading done in a real-world job is technical!
THE READING TEACHER JOURNAL



SPIN-OFF SESSION

CONTENT-AREA READING
Session 4 | Word Problems



SCIENCE TEXTS | Life Science, Earth Science, Biology, Physics, Chemistry

COMMON TEXT TYPES:

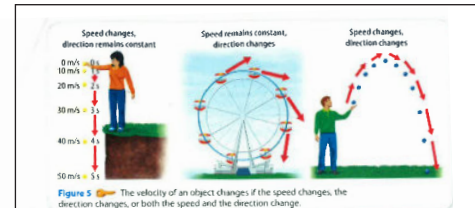
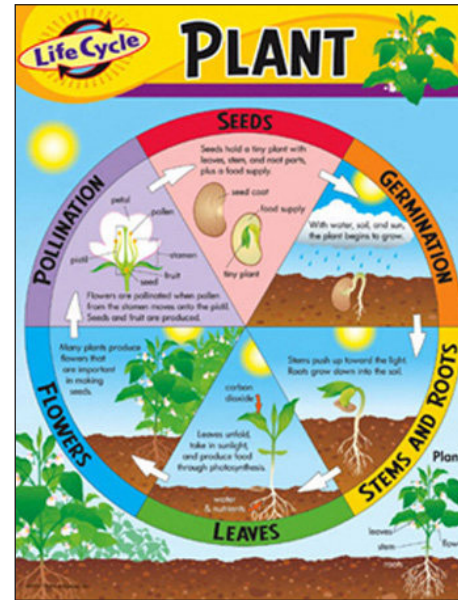
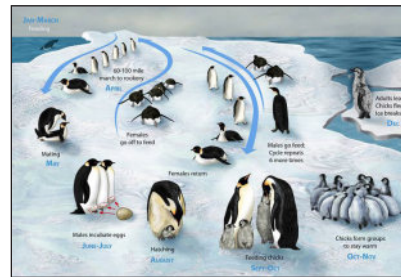
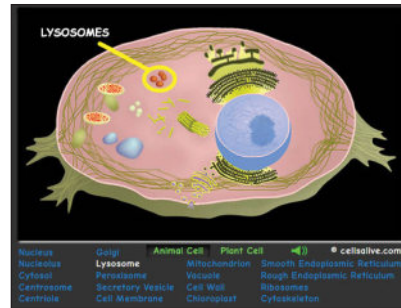
- Science textbook(s)
- Raw data, field notes, journals
- Recounts, explanations, reports
- News articles
- Websites, blogs
- Podcasts, speeches, essays
- Procedural steps for an experiment
- Visuals (e.g., flowcharts, graphs, figures, models, equations)
- Videos, simulations, animations
- Physical models, artifacts

TEXT CHALLENGES:

1. Vocabulary is specialized, using a large amount of jargon.
2. Concepts can be presented in multiple forms— written, formulaic, and graphic.
3. Everyday words that appear simple and decodable have multiple meanings (e.g., fault, frequency, force, matter, medium, charge, etc.).

READER THINKING & EXPECTATIONS:

- Requires an **understanding** of experiments or **process**.
- Heavy emphasis on **visual literacy** (e.g., graphs, charts, formulas, photos, diagrams, drawings, etc.).
- Includes the presence of **math**.



Changing Velocity

Velocity can change even if the speed of an object remains constant. Recall that velocity includes both an object's speed and its direction of travel. Figure 5 shows several examples of changing velocity.

In the first panel, the ball drops toward the ground in a straight line, or constant direction. The increased length of each arrow shows that the speed of the ball increases as it falls. As speed changes, velocity changes.

In the second panel, each arrow is the same length. This tells you that the Ferris-wheel cars travel around a circle at a constant speed. However, each arrow points in a different direction. This tells you that the cars are changing direction. As direction changes, velocity changes.

The third panel of Figure 5 shows the path of a ball thrown into the air. The arrows show that both the ball's speed and direction change, so its velocity changes.

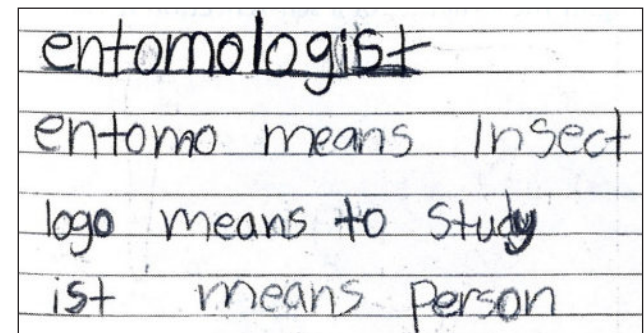
When either an object's speed or velocity changes, the object is accelerating. **Acceleration** is the measure of the change in velocity during a period of time.

Calculating Acceleration

When a ball is dropped, as in the first panel of Figure 5, its speed increases as it falls toward the ground. Therefore, the ball is accelerating. You can calculate acceleration using the following equation:

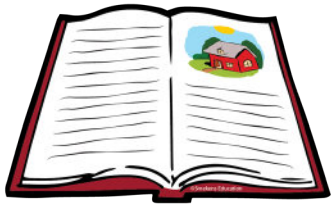
$$a = \frac{v_f - v_i}{t}$$

- Heavy emphasis on **specialized vocabulary**.
- Reading to **understand how** facts, assumptions, principles, and proofs are **interrelated**.



Integrate reading comprehension strategies in all subjects.

Communicate when to change their reading “hats.”



EVERYONE reads.

- Reading is meant to convey an experience to the reader.
- Understanding of the individual story elements that compose the whole work.
- Rich language includes multiple meaning words, figurative language, etc.
- Heavy emphasis on inferring author ideas and intentions.



HISTORIANS read.

- Reading narrative accounts/theories of historical events.
- Understanding of cause-effect relationships (those who acted and those who were affected).
- Balancing fact v. opinion, interpretation, and author perspective.
- Understanding of author bias/interpretation is necessary.
- Heavy emphasis on reading multiple accounts.



“DOERS” read.

- Requires an understanding of processes.
- Precision is essential.
- Heavy emphasis on accuracy and error detection.
- Reading to reach an end result.



SCIENTISTS read.

- Requires an understanding of experiments or process.
- Heavy emphasis on visual literacy (e.g., graphs, charts, formulas, photos, diagrams, drawings, etc.).
- Includes the presence of math.
- Heavy emphasis on specialized vocabulary.
- Reading to understand how facts, assumptions, principles, and proofs are interrelated.

