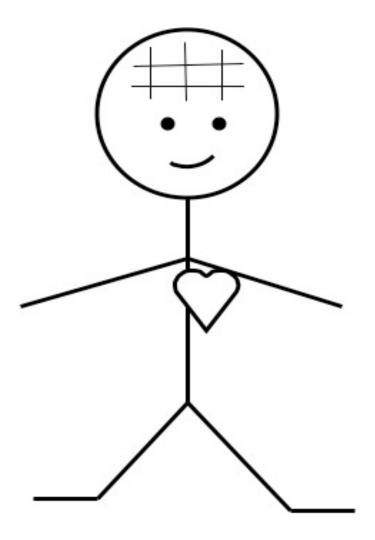
Guide to Grow, Assess to Advance Inspire Educate Achieve



The following materials are designed to help plan challenging instruction, determine student learning progress, and increase that progress through formative assessment and forward feedback.

Polk Bros Foundation Center for Chicago Education http://teacher.depaul.edu



Develop Competent and Confident Learners	p. 4
Levels of Thinking, Responsive Assessment	p. 9
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Guide/Assess Math Progress	p. 45
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Support Student Development

Elements of	Demonstrations
Effective Instruction	
Teacher Makes Learning Clear	teacher posts goals/objectivesteacher previews lessonteacher "thinks out loud" about how to—read a story, solve a problem, read contentteacher asks students to clarify instructionsteacher posts directions and gives them orallyteacher models/demonstrates
Teacher Guides	teacher maintains eye contact
Actively	teacher organizes activities so students work in pairs/groups as well as individually
	teacher circulates to guide/coach/assess
Students Think Thoroughly	teacher uses a variety of questionsstudents ask questionsstudents paraphrase and illustrate learningstudents make/complete graphic organizers to analyze and synthesizestudents use skills/knowledge independentlystudents note what they learn—learning log or think-pair-shareat end of lesson teacher asks students to explain what they learnedStudents model/demonstrate
Vocabulary Is Connected	word wall posted (and illustrated)word wall vocabulary used in activitiesphrases/sentences postedstudents write explanationsstudents illustrate vocabularystudents use current vocabulary in writing
Writing Makes Sense	teacher explains writing by "thinking out loud" and posting steps to write effectively writing with studentsStudents write what they learn across the curriculumstudents write in a variety of formatsstudents improve one element at a time: focus, support, organization, conventions, integration—one aspect at a time



Structure Progressive Lessons

WORK ACROSS THE WEEK

Take the Gradual Release Across the Week

The Teaching/Learning Path

This sequence can structure a learning week.

Monday Preview Model Interest	Tuesday Model and GUIDE	Wednesday GUIDE and go farther	Thursday ASSESS and Clarify	<i>Friday</i> Fix Go Deeper Finish well
Teacher Models	Teacher Leads	Teacher guides	Students demonstrate/ apply	Students complete with independence.
Students begin.	Students go farther.	Students get clearer	Teacher clarifies and extends	Teacher guides students needing additional development.

I DO most Students do more Students do ALL



Differentiate to Make the Difference

Powerful Practices

The following practices were identified as correlated with increased learning in a study of the effective instructional programs on the What Works website of I.E.S.

- Graphic Organizers
- Cooperative Learning
- Using short segments of passages to teach vocabulary in context/writing
- □ Specific Informal Assessment
- Curriculum-Based "probes" to clarify thinking
- Peer Tutoring;Reciprocal Peer Tutoring
- □ Explicit Timing
- □ Teacher Think-Alouds
- □ Using Response Cards during Instruction

Source:

Roberta C. Kaufman and Robert W. Wandberg, editors, <u>Powerful</u> <u>Practices for High</u> <u>Performing Special</u> <u>Educators</u>, Corwin Press, 2010.

Teaching Strategies

Focus Clearly

- survey students—preassess for learning interests as well as knowledge, skills
- clear directions, posted and explained with examples
- set explicit objectivesand criteria

Develop with Depth

- ask challenging questions with "think time" (not wait time)
- guide learning strategies—listening; collaboration; organizing notes; time management
- gradual release of responsibility
- □ students demonstrate
- student-constructed HOT questions
- students write to clarify and apply what they learn
- emphasize transfer of knowledge and skills

Assess to Advance

- differentiated assessments
- □ students self-assess
- □ pair to compare
- check for understanding daily
- specific feedback how to improve or advance
- weekly synthesis

Diverse Student Activities/Assessments

verbal

- □ write _letter _poem _article _story
- □ dramatize a story or history
- □ outline, write, a topic booklet
- add to a story, poem, song
- make glossary
- write weekly letter home about learning progress and plans
- make up a CRAFT writing plan—content, role, audience, format, what you will tell about the topic.

auditory

- □ draw/write about music
- clap syllables
- listening to learn games

kinesthetic

- pantomime to communicate
- □ "fold-a-books"
- □ create a collage
- □ make/build a model

visual

- "read" paintings
- illustrate a reading
- create symbols to represent ideas
- construct graphics—with captions

constructive synthesis/ creative construction

- □ invent a game
- □ create museum-like displays
- design graphic organizers
- make portfolios
- present topics
- □ debate
- □ simulation



Develop Collaborative Decision-Makers

Goal 1: Develop self-awareness and self-management skills to achieve school and life success.

Standards	My Progress
A. Identify and manage one's emotions and behavior.	
B. Recognize personal qualities and external supports	
C. Demonstrate skills related to achieving personal and academic goals.	

Goal 2: Use social-awareness and interpersonal skills to establish and maintain positive relationships.

positive relationships.	
Standards	My Progress
A: Recognize the feelings and perspectives of others.	
B. Recognize individual and group differences	
C: Use communication and social skills to interact effectively with others.	

Goal 3: Demonstrate decision-making skills and responsible behaviors in personal, school, and community contexts.

Standards	My Progress
A: Consider ethical, safety, and societal	
factors in making decisions.	
B: Apply decision-making skills to deal responsibly with daily academic and social situations.	
C: Contribute to the well-being of one's school and community.	



Analyze Feelings in Literature and Life

Feeling	sentimiento	Opposite	opuesto
Choose of	one positive feeling.		



LOCATE, THEN SOLVE PROBLEMS What are some strategies to locate and solve learning problems for your subject?

Your Subject: _____

LOCATE	SOLVE
Problem Locators	Problem Solvers
Ways to Identify Needs	Ways to Support Greater Learning
 Students respond to open-ended questions. Students answer multiple choice question and explain the reason for the choice. Students complete a graphic organizer. Students write explanations of how to use a skill. Students write daily response about what they learn. Students write weekly summary of what they learn. Students make a booklet/short report on what they learn. 	 Peer coach. Teacher models, step by step. Students model. Give clear written steps to follow Give examples—more than 1. Students work in pairs. "break down" the content or skill—break it into smaller parts using task analysis Partially complete a graphic organizer.



ASSESS TO IDENTIFY NEEDS, THEN RESPOND

MATH EXAMPLE

KNOW WHAT: Math Facts

Teach Clearly—and Respond	How to assess	Ways to help students
to Learning Difficulties		learn more
☐ Post math words and symbols	Complete a fact	Students write math fact
with pictures/examples	chart.	booklets.
"Practice Pack"—students		
make their own facts on small	Answer question	Students use math facts to
pieces of paper, match them	with correct fact.	create an exhibit.
with words and examples—		
take it home to practice.	Match fact with	Students write math fact
"Math Fact of the Day"	question (as in	songs and poems.
☐ Fact "Bingo"	Jeopardy)	-
☐ Act out the facts		
	Make a glossary	
	chart.	

KNOW HOW: Math Processes

Teach Clearly—and Respond	How to assess	Ways to help students
to Learning Difficulties		learn more
Build these practices into your		Students make math guides.
lessons so you can move to	Solve problem	
column 3—exceed.	correctly, circle answer.	Students present math "models"
☐ Teacher "Thinks out loud"		
☐ Model different ways to solve same problem	Answer multiple choice question,	Students make their own math problems and give to
☐ Peer coach	explain why you	each other to solve.
☐ Student models problem solving	chose answer.	
☐ Learning "partner"	Write steps to solve	
☐ Work in groups	the problem.	
☐ Post example		
 □ Post a path—steps to follow □ "Math Smart Pack"—practice with cards that hold numbers and symbols. 	Daily Math Journal	
☐ Draw the problem☐ Start with simpler problem,		
build in more challenges.		



Locate READING Problems



Identify Causes



RESPOND STRATEGICALLY

Problem	Causes	Strategic Responses
misreads question—		_
answer has no		
relationship to		_
question.		
reads quickly		
without		
comprehension-cannot		_
retell story.		
does not "get" the		
theme or lesson of a		
story-gives the title		
instead.		
lists facts not ideas		_
when summarizing		
nonfiction.		_
		~
		>



Principles of Assessment for Effective Teaching/Learning

Focus: Emphasize important elements (essential and enduring content/core abilities)
Application: If the assessment focuses on new knowledge, the application should use already developed skills. If the assessment focused on new abilities, it should require the student to apply them in new but familiar kinds of situations.
Explicit: Clearly communicate the intended outcomes, the kind of work to be done, and the criteria or standards to be met
Flexibility: Use a variety of formats to assess
Developmental for the learner: Provide opportunities for learners to improve based on clear and explicit response to their work products
Formative for the educator: provide a basis to analyze and improve instruction.
Transfer: Evaluate learner's ability to apply what has been learned to other contexts
Independence: Evaluate the degree of independence with which a learner uses the knowledge and skills



How Challenging is the Curriculum? Bloom's Taxonomy Applied: Connected Actions and Products

Math, Reading, Science, Social Studies, Writing: It's all about **Thinking.**Student products should develop thinking and show their thinking.
They should be "works in progress" that students and teachers assess formatively so that students have opportunities to "go farther".

LEVEL	Actions	Products
Knowledge	define, describe, duplicate, label, locate, list, memorize, recall, repeat, reproduce, state	glossary, list
Comprehension	classify, collect, describe, explain, identify, illustrate, paraphrase, recognize, report, restate, translate	chart, drawing, sequence chart, timeline
Application	adapt, change, choose, demonstrate, employ, illustrate, interpret, operate, schedule, sketch, solve, use	illustration, model, report
Analysis	categorize, compare, contrast, differentiate, discriminate, distinguish, examine, experiment, predict, organize, question, select	diagram, flowchart, presentation, report
Evaluation	appraise, argue, criticize, defend, evaluate, judge, rank, select, sort, support, value	editorial, rating, report, speech
Synthesis	combine, connect, integrate, relate	artwork, article, booklet, exhibit, poem, report, speech, story
Creativity New category added in the 1990s—seems to be a level of synthesis.	assemble, construct, create, design, develop, dramatize, formulate, invent	artwork, booklet, exhibit, poem, report, speech, story



THINK CLEARLY

Based on Bloom's Taxonomy

Students can take a thinking trip, starting with knowledge, through synthesis.

GET IT Find or remem	nber stated/presented kr	nowledge.
Knowledge may include infor	mation, processes, and princip	oles.
→ When?	→ What?	→ Define
→ Where?	➡ Who?	▶ List the
	sure you really comprel	
Collect	Sequence the parts.	Summarize it.
Describe	Classify	→ Draw it.
APPLY IT Use your kno		
Explain how works.	□ How do you?	Use what you know to
What rule do you use to_?		solve this problem or
Show how to do this.	know to do this?	answer this question.
ANALYZE IT		
Give examples.	⇔How are they alike?	Use what you know to
		solve this problem or
⇔How are they different?	know to do this?	answer this question.
	R BASED ON YOUR ANALYSIS	
Predict.	→What might have caused	What is a good title?
→What is the main idea?	<u> </u>	→ What is missing?
→What does this word	→Who might have said?	→What is the author's point
mean in this context?	→Why did the writer	of view?
→Why does do?	include?	→What is your hypothesis?
THINK IT THROUGH: E	valuate	
■ What are the most	■ Which is the best	Why do you make this
important facts?	answer? Why?	choice?
Select the strongest	Give and justify your	How would you improve
evidence.	position on	this?

GET IT TOGETHER: Synthesize

Constructed Response: Based on the text, what is the answer to this BIG question?



Extended Response: Based on the text and your experience, what is your answer to this challenging question?

answer to this challenging question?

Construct or Create YOUR OWN: artwork, booklet, exhibit, poem, report, story



How will you RESPOND to Increase Student Learning?

CPS Teaching Framework domains: 3d Using Assessment in Instruction 3e responsiveness—response to student needs—intervention and enrichment

PRIORITY	RESPONSES: Ways to help students who need support.
How to read	students "peer coach"student explains the reading in own words paragraph by paragraphstudent draws pictures to show the situationmultiple choice questions with just 2 responses, then expand to 3 and 4students complete graphic organizer
How to solve a math problem	students "peer coach" student writes guide to solving problems student corrects a problem solving example students work in pairs students solve problem and explain how students write guide to solving problems students complete "math path" students design and play math game designed to increase knowledge of math facts
How to write	focus on one element of writing at a timestudents co-writeclass/group makes outline, then students write based on that outlinestudents write a "how to" writing guidestudents use writing "scaffold"students write guide to writingstudents correct writing with errors, editing that, THEN editing their own
Content Area learning	students complete graphic organizerstudents write based on graphic organizerstudents illustrate paragraph by paragraphstudents outline a passagestudents find information to support a position or conclusionstudents collaborate to write a booklet about the topic

Enrichment: What challenge will you add?



Assess to Advance: Respond to Expand Competence Forward Feedback is Essential for Formative Assessment

Forward Feedback is Specific feedback that:

- √ Identifies strengths
- ✓ Guides students to take the next step

Enables students to:

- √ Feel positive
- ✓ Improve their work
- ✓ Clarify their thinking
- √ Go farther!

EXAMPLES

- + Your answer to the first question is clear and correct.
- > Read the passage again to find the information you need to answer the second question.
- + Your answer is close.
- List the steps you took to get it—then check your work to figure out how you should change it.
- + Your chart includes correct information.
- ➤ Go farther—write a summary of what your chart shows.
- + You started the extended response with a clear beginning.
- ➤ Add more information from the passage that supports your answer.
- + You have written a complete summary—all the important parts.
- > EXCEED! Write directions for another student—explain how to summarize.
- + You have collected important information.
- ➤ Re-read the question. Make sure you have got information you need to respond completely to each part of the question.
- + You have included some information from one of the passages.
- ➤ The question asks you to use facts from the two passages. Underline information in the second passage that can help answer the question. Then add a paragraph to your answer using that information.
- + Your experiment report tells what you did very clearly.
- Explain what you learned from the experiment.

Set learning targets and identify assessment "scaffolds" that will enable you to identify students' status so you can respond with forward feedback.



Use Graphic Organizers to Guide and Assess

Graphic organizers ask questions that students answer with organized evidence.

Focus

Think Clearly √

Show Thinking √

Learn More



LEARNING AND ASSESSMENT GUIDES

The following resources can be used as activities if students work collaboratively or assessments if they complete them independently.

The pages begin with a rubric to evaluate students' work when presented on a graphic organizer.

Most of the following pages include graphic organizers because the graphic organizer is an effective tool to guide student's thinking and to assess their abilities and knowledge.

If students think on paper, then pair to compare, they can improve their own work more independently.

The first section includes guides that can be used across the curriculum.

The next sections include guides for each core subject area.



Graphic Organizer Assessment Rubric

Usually a graphic organizer is part of a process, it is a way to organize information, an intermediate step to making a presentation or writing about a topic or situation. It may be a "pre-writer" that students use to organize their writing. So students should meet the following criteria when making a graphic organizer:

- ✓ Is it complete?
- √ Is it correct?
- √ Is it clear?

The following rubric is designed for use if the graphic organizer is the final assignment. Otherwise, it can be used as a checklist for making sure that the organization is complete and useful as students base their next steps—writing or presenting—on the information they have organized.

Students can exceed if they revise their responses to meet the level 4 requirements.

SHOW CLEAR THINKING

Rating	Requirements	
4	 □ Provides information for each part of the organizer □ All information is correct □ Gives organizer a title (if it does not have one) □ Writes to analyze the organizer—(complexity varies with grade level—from sentence through constructed response) □ Cites the source of the information 	
3	 □ Provides information for each part of the organizer □ All information is correct □ Gives organizer a title (if it does not have one) □ Writes to explain the organizer (summary statement) 	
2	☐ Provides information for most parts of the organizer ☐ Most information is correct	
1	☐ Provides information for part of the organizer☐ Some information is correct	



Graphic Organizers Enable Students to Write with Evidence and Clarity

CCSS Anchor Reading Standard 1. **Read closely** to determine what the text says **explicitly** and to make **logical inferences** from it; cite specific textual evidence when writing or speaking to **support conclusions** drawn from the text.

Organize to analyze; analyze to support your inferences. Then write to explain your thinking.

Classify to Clarify Compare and Contrast Category Category Summarize what your chart shows. Explain the important differences. **Sequence Important Events Organize Information Analyze Causes** topic effect cause cause **Infer Effects** Explain the direct causes and indirect Summarize the important information about the topic. causes. Explain the direct effects and indirect Explain how you decided which information is important? effects.



Check for Understanding: Learning Log

Content Goal: I can identify and restate important content. Each day, note the most important words, idea or strategy you learn.

M	
T	
W	
Τ	
F	Summarize the week's learning.

Guide and Assess to Advance	⇒➪[
My Learning Progress KNOWLEDGE COLLECTOR Each day write one sentence that tells what you learned that you think is most important. Then on Friday summarize your learning.	
This Week's Focus:	

Monday	
Tuesday	
Wednesday	
Thursday	
Friday	Write a paragraph that summarizes what you have learned.



PICTURE WORD BANK

Aligns with CCSSR priority: Increase academic vocabulary

Words about Reading

WORD	Show what it means. Draw a picture.	
Write a sentence with one or two of your words.		



Picture a Paragraph

CCSSR2. Determine central ideas or themes of a text and analyze their development; summarize the key supporting details and ideas.

Choose a page to read.

Choose one paragraph that's interesting. Every paragraph tells about an idea.

Draw a picture that shows that paragraph.



Give your picture and that page number to another student.

See if they can find your paragraph.



SMART CHART: Core Vocabulary

Common Core Reading Anchor Standard 4. Interpret words and phrases as they are used in a text, including determining technical, connotative, and figurative meanings....

Anchor Standard 4 Competence target: Can define and use academic vocabulary to explain a topic.

List five important terms you need to understand about this topic. They should be core words—words that are important to explaining the topic. Write a synonym or example for each word.		
CORE WORD	SYNONYM or EXAMPLE	
	ore words to explain the topic. Ford or a paragraph that includes them.	

Added Challenge:

TOPIC:

Add five more words that are important to understanding the topic—make your own bigger Core Vocabulary smart chart.



Answer the BIG Question with Examples and Evidence

CCSS Anchor Reading Standard 1. Read closely to determine what the text says explicitly and to make logical inferences from it; cite specific textual evidence when writing or speaking to support conclusions drawn from the text.

BIG question
Die queenen
List information to answer it. You can collect facts and examples from your class
List information to answer it. You can collect facts and examples from your class
sessions, your notes, the Internet, books and magazines.
Socione, year notes, the internet, books and magazines.

Write your answer. You can write:
a quiz (you have to give answers as well as questions)
a page in a textbook
directions
a cartoon
a report
an article
(another format)

Guide and Assess to Advance



Answer the BIG Question with Cited Examples and Evidence

CCSS Anchor Reading Standard 1. Read closely to determine what the text says explicitly and to make logical inferences from it; cite specific textual evidence when writing or speaking to support conclusions drawn from the text.

BIG question	
Collect facts and examples to answer it. You can fi	ind them in your class notes, from
books, articles, and the Internet.	
Important Information or Example	Where I Found It
Important information of Example	Where i Found it
	<u> </u>
Write your answer. You can write:	
an extended response	
a page in a textbook	
directions	
a report	
an article	(another format)
	(another format)

Guide and Assess to Advance

Support Your Answer

CCSSR7. **Integrate and evaluate** content presented in **diverse media and formats**, including visually and quantitatively, as well as in words.

Name	Date:
question	
Locate relevant information in	two different sources.
Source 2:	
Important Information	

Use this information to write your response.

I Can Compare and Contrast
CCSS Anchor Reading Standard 1. Read closely to determine what the text says explicitly and to make logical inferences from it; cite specific textual evidence when writing or speaking to support conclusions drawn from the text.

Title: Write to tell what your diagram shows.

Guide and Assess to Advance

Classify

CCSS Anchor Reading Standard 1. Read closely to determine what the text says explicitly and to make logical inferences from it; cite specific textual evidence when writing or speaking to support conclusions drawn from the text.

Topic:		
Set up three categories. Then list information for each	n category.	
Write to explain what your	organizer shows:	

Guide	and	Assess	to	Advar	C
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I can summarize CCSSR2—summarize with support	9.
Topic:	
Important Words:	
Word	What it Means
Important Facts:	

My Summary:

On another page, write and draw to tell what you know.

Guide and Assess to Advance



SUMMARIZE

CCSR2. Determine central ideas or themes of a text and analyze their development; summarize the key supporting details and ideas.

Topic:							
List ten wor	rds that are in	nportant to ι	ınderstanı	ding it.			
What are th	ne two or thre	e most impo	ortant poin	ts you find	l in your r	eading?	
Write a one	-paragraph s	ummary. In	clude the	main poin	ts.		



Main Idea Analyzer

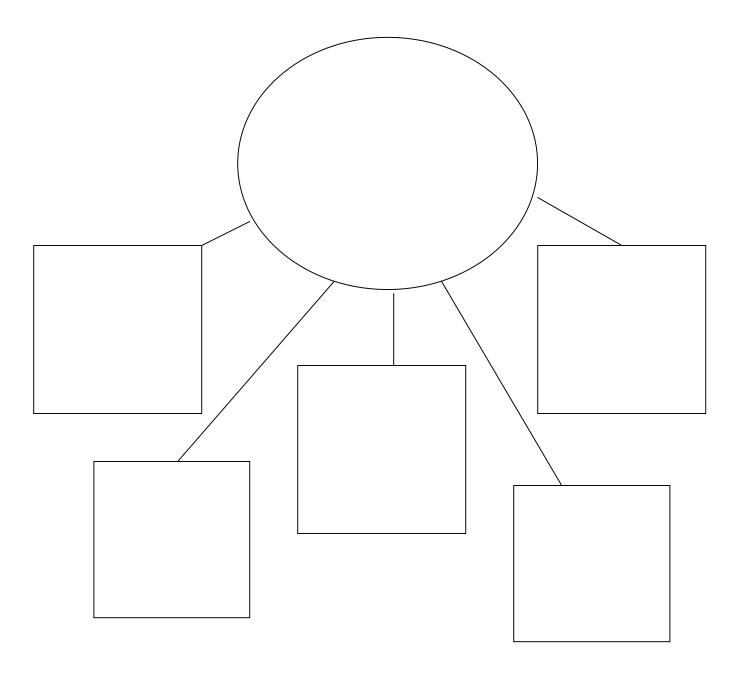
CCSSR2. Determine central ideas or themes of a text and analyze their development; summarize the key supporting details and ideas.

Put the main idea in the circle.

Put supporting information in the boxes. List the source of the information.

You can start with information then decide the main idea.

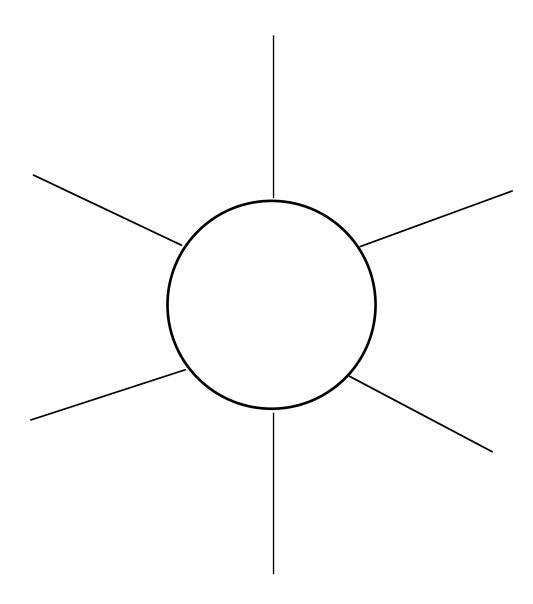
Or you can start with the idea and then find the supporting information.





THEME ANALYZER

CCSSR2. Determine **central ideas or themes** of a text and analyze their development; **summarize** the key supporting details and ideas.



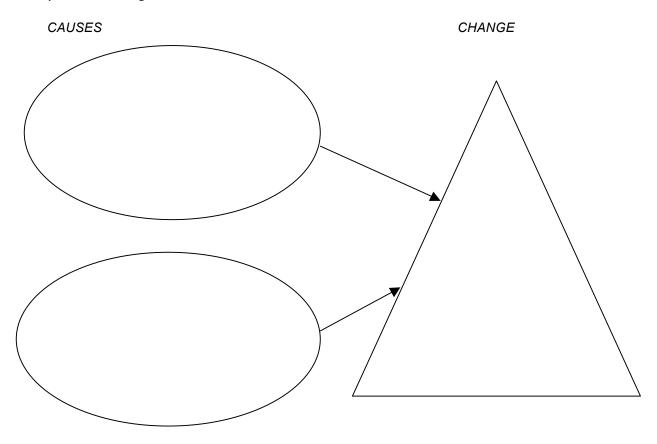
Think it through.

I Can Diagram Causes of a Change

CCSSR1. Read closely, then infer with evidence.

Topic or Story:

In the circles write two different causes of an important change. In the triangle, write the important change.

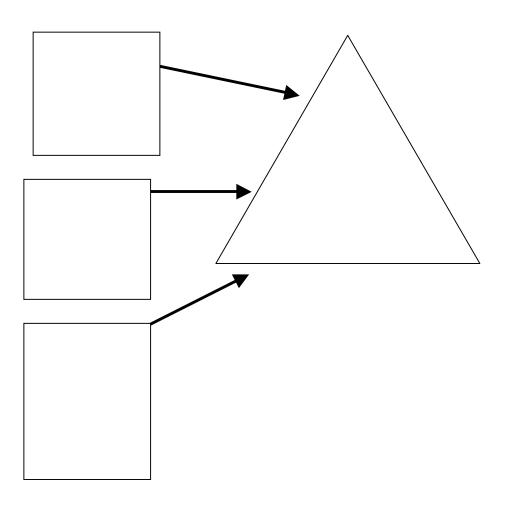


Summarize what your diagram shows.



Analyze and Infer Causes and Effects

CCSSR3. Analyze how and why individuals, events, and ideas develop and interact over the course of a text.

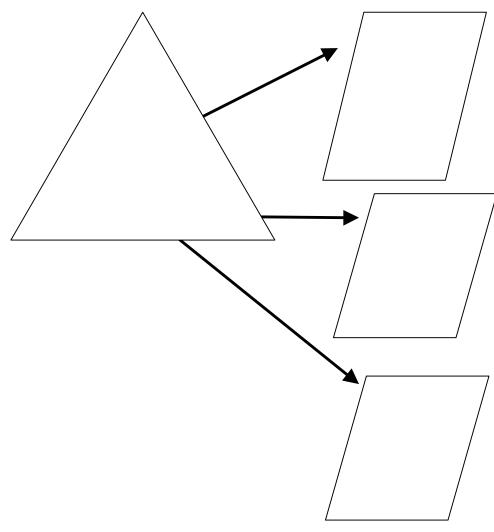


Write What You Think

__essay ___story ___fable ___cartoon ___editorial ___diary of a person involved



Analyze and Infer Causes and Effects
CCSSR3. Analyze how and why individuals, events, and ideas develop and interact over the course of a text.

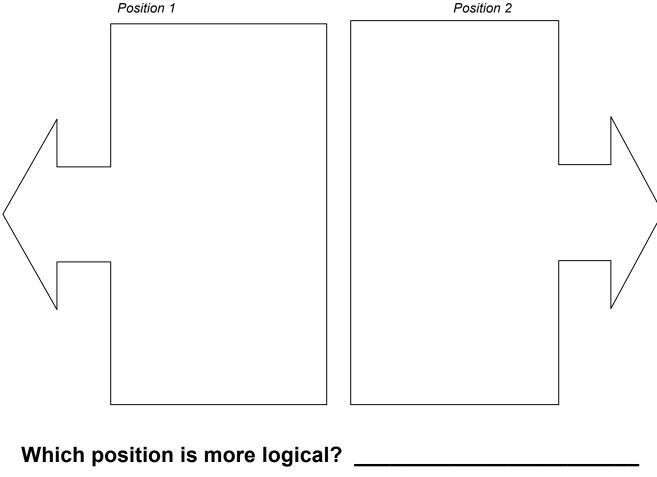


Write What You Think

essay	story	fable	cartoon	editorial	diary of a person involved

CONTRAST POINTS OF VIEW

CCSSR8. Delineate and evaluate the argument and specific claims in a text, including the validity of the reasoning as well as the relevance and sufficiency of the evidence.



Why?

Organize an Argument

CCSSR 8. Delineate and evaluate the argument and specific claims in a text, including the validity of the reasoning as well as the relevance and sufficiency of the evidence.

Position 1	Position 2
	1
My Position:	

Wy 1 03111011.				
Basis for my position:				

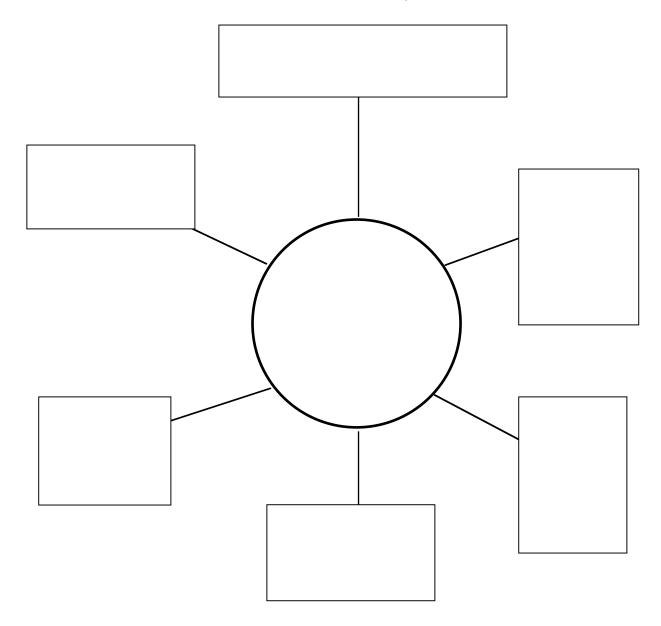


Analyze a Theme—Literature, Music, Art!

CCSSR2. Determine central ideas or themes of a text and analyze their development; summarize the key supporting details and ideas.

A story, poem, artwork, poem, story, or musical composition has a theme. To find the theme, look at the whole artwork or listen to the whole composition. Think: what is the artist/composer telling me?

- 1. What do you think the writer/artist/composer wants you to understand? Write it in the circle.
- 2. Then in the boxes put parts of the poem, story, composition or artwork that show you that is the theme. You can draw them or name them in the boxes.
- 3. Write about it. Tell how the writer/artist/composer communicates that theme.







Evaluate Decisions—in a story, in a real situation CCSSR3. Analyze how and why individuals, events, and ideas develop and interact over the course of a text.

Situation:

Person	Decision	Effects on Others	Effects on the Person

Write What You Think

Which person made the best decision? Why do you think that?

Guide and Assess to Advance



Use Logic to Solve a Problem or Answer a Question

Common Core Anchor Standard: 1. Read closely to determine what the text says explicitly and to make logical inferences from it; cite specific textual evidence when writing or speaking to support conclusions drawn from the text

Make up a question for another student or respond to a question your teacher asks.

Topic:
Problem or question:
Information I need to use to solve the problem or answer the question:
•
•
•
•
•
The Best Solution is:
Why I believe this is the best solution:

Guide and Assess to Advance

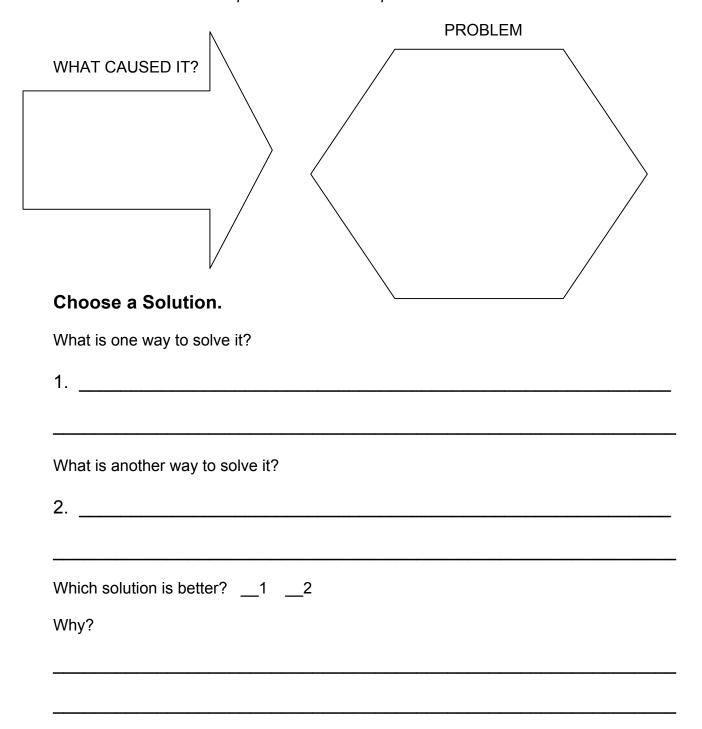


I can analyze a problem and evaluate a solution.

CCSS Anchor Reading Standard 1. Read closely to determine what the text says explicitly and to make logical inferences from it; cite specific textual evidence when writing or speaking to support conclusions drawn from the text.

Do this independently as an assessment. Do this collaboratively as a learning activity.

Write notes inside the shapes to tell about the problem.



Make Your Own Multiple Choice Question

Question Maker: Write your question here.

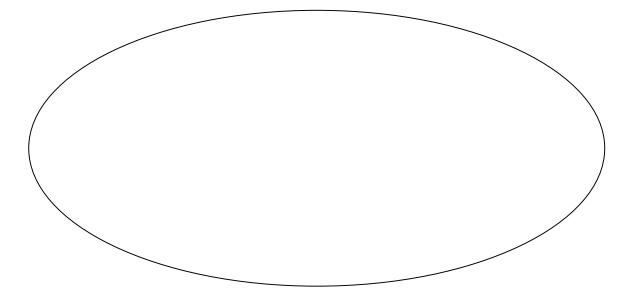
THINK IT THROUGH ?

Write the correct answer and three other possible answers here:

- a. C.
- b. d.

Question Taker:

Circle the best answer. Then, in the oval, explain why you chose that answer.





Make Math Connections

Common Core STANDARDS FOR MATHEMATICAL PRACTICE

- 1. Make sense of problems and persevere in solving them.
- 2. Reason abstractly and quantitatively.
- 3. Construct viable arguments and critique the reasoning of others.
- 4. Model with mathematics.
- 5. Use appropriate tools strategically.
- 6. Attend to precision.
- 7. Look for and make use of structure.
- 8. Look for and express regularity in repeated reasoning.

What do those practice standards mean?

That finding an answer is not the destination—it's how you get there and the patterns you find as you solve a problem.



Common Core Math Practice Standards

It's about thinking clearly.

Two of the standards are essential every time students solve any problem, so they are outside the boxes. The standards in the boxes are important, but students need to move into the standards progressively, making one standard a continuing habit and then gaining fluency with another.

MAKE SENSE OF PROBLEMS AND PERSEVERE IN SOLVING THEM (1)

Think Clearly

- Reason abstractly and quantitatively (2)
- Construct viable arguments and critique the reasoning of others (3)

Use Models and Tools Strategically

- Model with mathematics (4)
- Use appropriate tools strategically (5)

Recognize and Use Patterns and Structure

- Look for and make use of structure (7)
- Look for and express regularity in repeated reasoning. (8)

ATTEND TO PRECISION (6)

This diagram by the Center for Urban Education is based on "Grouping the SMPs" (McCallum 2011), Supporting Student Success, the Indiana Department of Education.

The Connected Classroom--Learn who your learners are.

Math Interest Survey

- 1. What is an important math skill?
- 2. What is a good way to learn math?
- 3. What kind of math is difficult?
- 4. What kind of math is easy?
- 5. What do you like about math?
- 6. What don't you like about math?

Put your answers in the boxes. Your teacher can organize this as a project—your class can make a bar graph if you cut the boxes and sort them with other students.

2	1	5
1	3	5



MATH PROGRESSION

Supports all Common Core Math Practice Standards.

Steps to Learn a New Math Skill

1. Connect It

Review what you learned about math that you will need to know to use this new skill.

2. Get It

- In your own words, write explanations of any new words that are part of using this skill.
- List the steps to solve a problem with the new skill.
- Practice using those steps with problems.

3. Get it Clear

Write step-by-step directions.

Explain in your own words how you solve problems with this skill.

4. Think More

- Make up math word problems that require this skill.
- Give those math problems and your directions to another student.

5. Think It Through

 Solve the problems and tell what you think the best way to solve each one is and why.

6. Keep It

- Write part of your own math book.
- · Explain how and when you use this skill.



EXAMPLE MATH LESSON PLAN WITH GRADUAL RELEASE OF RESPONSIBILITY

This plan builds formative assessment into each day and across the week.

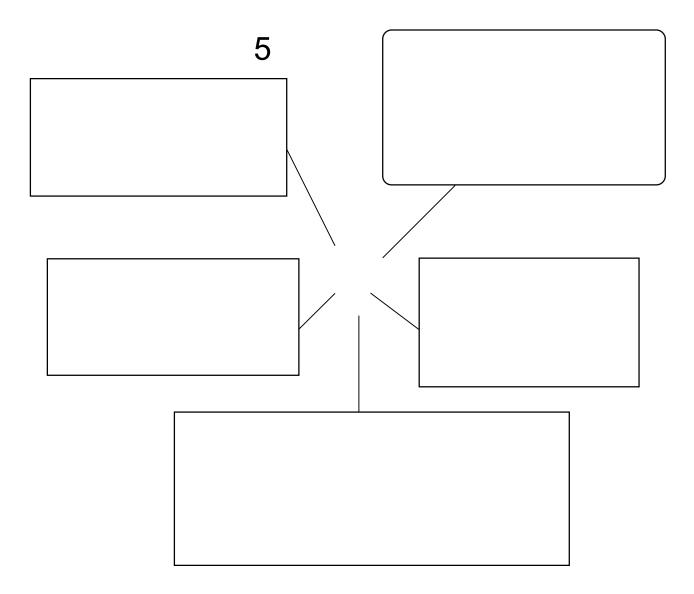
	Make sense of problems, then solve them persistently. Attend to precision.
Materials:	

M Preview, Model, Interest	T Model and Guide	W Go Deeper	TH Assess and Clarify	F Fix and Finish UP
I do: model the strategy	I do: model the strategy	I do: model the strategy	YOU DO: Formative Assessment—students will	T: Guides students needing support—
We do: Apply the strategy	We do: Apply the strategy	We do:Apply the strategystudents model		think out loudmake step by step guidepractice with a partner
You do: CORE:solve problem with partner or group, write steps	You do: CORE:solve problem with partner or group, write steps	You do: CORE:correct problem solution –identify and fix errors	√ I DORESPOND to assessmentclarify think out loud, give feedback on ways to make greater progress. Students needing	ADVANCED Students who "meet"
ADVANCED:write a guide to solving problems with this week's focus _make up problems with this week's focus	ADVANCED:write a guide to solving problems with this week's focus _make up problems with this week's focus	ADVANCED:make up/modify a gamewrite step-by- step guide	support:re-model the mathplay math gamemake step-by-step sequence chart	move upactivity: write a math page/bookletask then answer challenging word problemsmake math display
√ Check for understanding math journal Pair/Compare	√ Check for understanding math journal Pair/Compare	√ Check for understanding math journal Pair/Compare	ADVANCED:Write a guide to using this week's mathExtended response— make exemplary extended response that another student can learn from	SYNTHESIS: What rules, ideas, or patterns did we learn from this week's math?
Homework	Homework	Homework	Homework	Homework



Apply math facts and operations. CCSS Math Practice Standard 2. Reason abstractly and quantitatively.

Task: Use the math you know to show five different ways to make equations that result in 5. It could be fraction equations or multi-step addition or...



It could get bigger—imagine 50 ways to make a 50...

Graph Changes

- 1. Locate and collect information about a situation that changes over time.
- 2. Use that information to make a line graph.



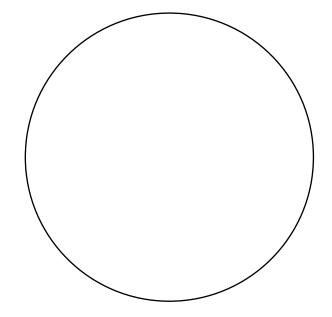
Title of the Graph

Analysis of the Graph

GRAPH PROPORTIONS

Do this independently as an assessment. Do this collaboratively as a learning activity.

Topic/Situation:
2. Use that information to make a circle graph.



Title of the Graph

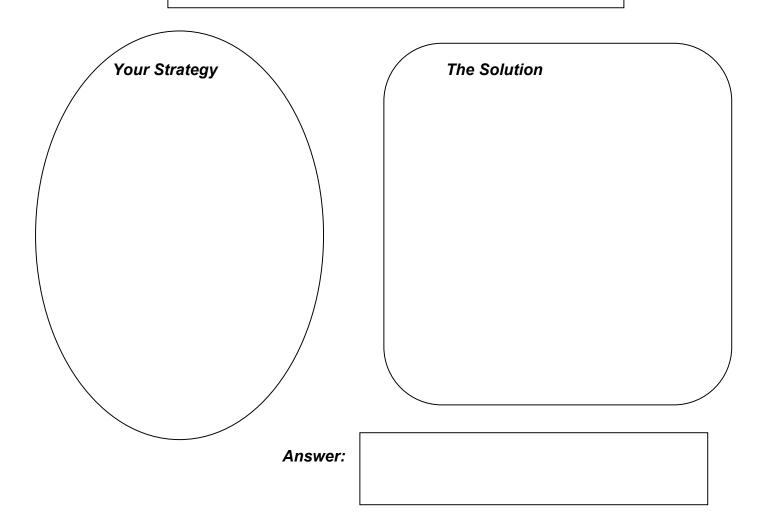
Key:

Analysis of the Graph

How to Summarize
ILS1B: I can summarize a passage.

Math Problem Solver

The Problem—What will you figure out?





Math Activities and Assessments

Formative Assessment Approaches

- 1. Complete graphic organizer
- 2. Complete glossary with examples
- 3. Make self guide
- 4. Students construct questions and answers
- 5. Students correct a math problem solution that has errors
- 6. Solve problem, justify the solution

Activities

If the student completes the activity independently, it can be an assessment.

- 1. Create math problems
- 2. Demonstrate
- 3. Exchange questions
- 4. Write math guides
- 5. Start to solve problems, then exchange start-up part, complete each other's work
- 6. Students write "rules of the road" for different kinds of math problems
- 7. Make diagrams
- 8. Visually represent the parts of a math problem
- 9. Write or co-author responses to math question
- 10. Write math poetry
- 11. Describe a day in the life of a person in a career who uses math on the job—and with his/her paycheck
- 12. Change math questions, provide answer guide

Instruction Strategies

- Pre-assess to determine initial status
- 2. Check for misunderstanding and respond immediately
- 3. Model
- 4. Post-assess to determine and validate progress
- 5. Relate to contexts (MPS4—model with mathematics)
- 6. "Think out loud"
- 7. Demonstrate strategic use of tools (MPS5)
- 8. Post "paths"—how to solve a kind of problem
- 9. Focus on one outcome each week, specify objective for the day, explain how it relates to the BIG outcome
- Adjust level of challenge to accommodate students needing support and students who can advance
- 11. Organize practice activities that have game-like features
- 12. Students demonstrate
- 13. Students collaborate—pair, compare, repair
- 14. Math "Bowl"—students solve a variety of problems in teams



MATH GLOSSARY

Term or Symbol	What It Means	My Example

Use words from your glossary to explain a math topic.



MATH ASSESSMENT CONTENT DEFINITIONS

You can set up this assessment with terms that your students learn or use it as a pre-assessment. This is an example of a comprehensive pre-assessment to start the school year.

Word	What It Means—explain in your own words or put an example.
perimeter	
parallel lines	
congruent shapes	
fraction	
numerator	
denominator	
regroup	
symmetrical	

This Week's Math

This graphic organizer applies to all math standards and is designed to guide students' clarifying of what they learn in math each week.

(Write what t	the focus of the work this week was.)	
What are some imp There are three colo the third column.	oortant words to know when thinking about this rumns. If the word also can be shown as a symb	math topic? ool, put that symbol in
Vord	What It Means	Symbol
What's important to	know about this math topic?	

Guide and Assess to Advance			Ç	
I know my numbers from	to			

CCSS Math Practice Standard 2. Reason abstractly and quantitatively.

This Graphic Organizer can be used to assess if completed independently, or as a learning guide.

Directions: Teachers tell students which numbers to write on the chart. It can be individualized based on different levels of student knowledge of numbers. Then students write those numbers and their names and draw circles to show them. It can be used to check on knowledge of number patterns such as adding by 10s or even, odd. For larger numbers students use different symbols. For example, circle stands for 10s, line stands for 1s.

Word	Draw symbols to show how many this number means.
	Word

Exceed: Write a sentence using one of these numbers.



Chart to Make Math Patterns Clear

CCSS Math Practice Standard 8. Look for and express regularity in repeated reasoning.

number	operation	number	=	result
6	X	2	Ш	12
6	/	2	Ш	3
6	X	3		18
6	/	3	=	2
			=	
			=	

Chart Algebra

number	operation	number	=	result
а		b	II	С
5			=	8
25			=	100

Math Path

CCSS Math Practice Standard 1. Make sense of problems and persevere in solving them.

Solve your problem on the left side of the arrow.

Then write an explanation of the steps on the right side.

What's important to know about solving this kind of problem?



The Bottom Line: Write to Explain

CCSS Math Practice Standard 1. Make sense of problems and persevere in solving them.

Make the Writing Connection to make sure that students

Know What + Know How + Know Why = Know MORE

Math Problem-Solution-Explanation Organizer

1. What is the problem?

2. How will you solve it?

3. Why solve it this way?



I can solve a word problem strategically!

Common Core Math Practice Standard 1: Make sense of problems and persevere in solving them.

Note to Teachers: This organizer is designed to guide a student. It also is an instant assessment. If students cannot complete steps 1, 2, or 3, the teacher learns what the kinds of help the student needs to comprehend a word problem and decide which strategies and skills to use.

What is the question asking me to figure out?	
out.	
How will I solve it?	
What information do	
I need to solve it?	

Your teacher will tell you how to take the next step.

You may complete it by yourself or...

pair and share—work together with another student to solve it

or

pair to compare—solve it yourself then compare your work with another student's

Guide and Assess to Advance



MATH PROBLEM SOLVING GUIDE

Guide designed for a project sponsored by the Institute for Education Sciences, US Department of Education.

Systematic use of this assessment resulted in significant gains in math achievement.

Common Core Math Practice Standard 1: Make sense of problems		
1. What will you figure out?		
2. How will you solve the problem?		
3. What information will you use?		
4. Estimate the answer.		
and persevere in solving them.5. Solve it here. If you need more space use the back of the page.		

6. What is your answer? _____

7. Tell what you did.	
8. Tell why you solved it this way.	



I Can Analyze Proportions with a Circle Graph

Locate and collect information about different quantities that are related to the same topic, such as the number of students choosing different colleges. Then figure out the proportions and make a circle graph (or pie graph) to show them.

Title of the Graph:
KEY:
Analyze Patterns and Relationships Explain the patterns or relationships it shows—or give it to another student and ask that student to explain it.
Ask a question based on the graph.

Guide and Assess to Advance

I know how to graph!	
Kind of data:	
Which graph is the best way to analyze the data?	
bar graphcircle graphline graph	
Why do you choose that kind of graph?	
Construct the graph.	
Analyze Patterns and Relationships Explain the patterns or relationships it shows—or give it to another student and as student to explain it.	sk that

Make Your Own Multiple Choice Question

Question Maker: Write your question here.

THINK IT THROUGH

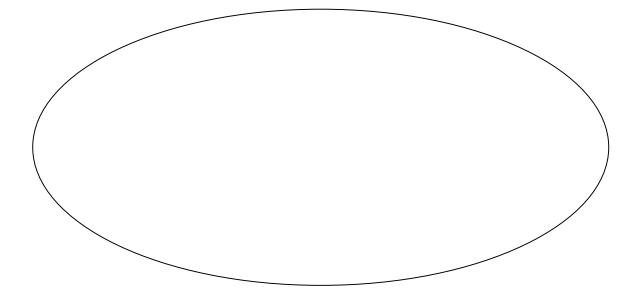
Write the correct answer and three other possible answers here:

a. C.

b. d.

Question Taker:

Circle the best answer. Then, in the oval, explain why you chose that answer.





MATH TASKS

These activities can be used to respond to students' needs you identify through formative assessment or to provide assessments if the student does the task independently.

Make a math picture glossary. Write the important words of math. Then for each word, draw a picture showing what it means.	Make a Math Step- By-Step Guide. What's that? You write the steps to solve a kind of problem. For example, how to figure out how much money you have after you spend some.	Make a math multiple choice question. Write the question as a situation. Then give a few possible answers.	Make up a math game. To win the game, you need to know math facts. You can play the game as a card game or as a board game. If it's a board game, then the players would get to move ahead when they know a math fact.
Write a Number Diary. What's That? You're a Number (pick any number). Tell what happens to you during a day.	Make a measurement book. Measure anything and record its dimensions. First, estimate its size. Then check your estimate.	Tell what you would buy if you had \$100. Figure out what everything would cost and how much you would have left after you bought things.	Write a page in a math textbook. Explain the math. Then give an example. Then ask a question.
Invent a number game. Write the rules to the game. Then play it.	Make a fraction book. Write about what a fraction is, how people use them, and how people can add and subtract them.	Write about your day and how numbers help you. For example, numbers tell what time it Is.	Make a sports scores graph. Then explain what your graph tells about the way the teams are playing this season.
Make a Math Number Connector. What's that? You take one number and put it in the center of a page. Then write the number combinations that would make that number. For example, what are five ways to make a five?	Write a letter to someone who is having difficulty with math. Explain what that person could do to figure out how to use the math	Make a math diary— what numbers are part of your day?	Make a math test prep guide—what will you include?



STRENGTHEN THOUGHTFUL READING



Common Core State Standards for READING

ANCHOR STANDARDS

These are the CORE of the CORE—each grade level has standards based on this core and appropriate for the grade.

KEY IDEAS AND DETAILS

- 1. Read closely to determine what the text says explicitly and to make logical inferences from it; cite specific textual evidence when writing or speaking to support conclusions drawn from the text.
- 2. **Determine central ideas or themes** of a text and **analyze** their **development**; **summarize** the **key supporting details** and **ideas**.
- 3. **Analyze** how and why **individuals**, **events**, and **ideas develop** and **interact** over the course of a text.

CRAFT AND STRUCTURE

- 4. **Interpret words** and **phrases** as they are used in a text, including determining **technical, connotative**, and **figurative** meanings, and **analyze** how specific **word choices shape meaning or tone**.
- 5. **Analyze** the **structure of texts**, including how specific sentences, paragraphs, and larger **parts** of the text (e.g., a section, chapter, scene, or stanza) **relate to each other and** the **whole**.
- 6. Assess how point of view or purpose shapes the content and style of a text.

INTEGRATION OF KNOWLEDGE AND IDEAS

- 7. **Integrate** and **evaluate content** presented in **diverse media and formats**, including **visually** and **quantitatively**, as well as in words.
- 8. **Delineate and evaluate** the **argument** and **specific claims** in a text, including the **validity of** the **reasoning** as well as the **relevance** and **sufficiency** of the **evidence**.
- 9. **Analyze** how two or more **texts address similar themes** or **topics** in order to **build knowledge** or to **compare** the **approaches** the authors take.

RANGE AND LEVEL OF TEXT COMPLEXITY

10. Read and **comprehend complex literary** and **informational texts independently** and **proficiently**.

Formatted by the Polk Bros. Foundation Center for Urban Education Source: Common Core State Standards, http://www.corestandards.org
For grade level and grade-to-grade chart, go to http://teacher.depaul.edu.



Example: Common Core Reading Standards for Third Grade

READING LITERATURE	READING NONFICTION
KEY IDEAS AND DETAILS	KEY IDEAS AND DETAILS
 Ask and answer questions to demonstrate understanding of a text, referring explicitly to the text as the basis for the answers. Recount stories, including fables, folktales, and myths from diverse cultures; determine the central message, lesson, or moral and explain how it is conveyed through key details in the text. 	 Ask and answer questions to demonstrate understanding of a text, referring explicitly to the text as the basis for the answers. Determine the main idea of a text; recount the key details and explain how they support the main idea.
Describe characters in a story (e.g., their traits, motivations, or feelings) and explain how their actions contribute to the sequence of events.	Describe the relationship between a series of historical events, scientific ideas or concepts, or steps in technical procedures in a text, using language that pertains to time, sequence, and cause/effect
CRAFT AND STRUCTURE	CRAFT AND STRUCTURE
4. Determine the meaning of words and phrases as they are used in a text, distinguishing literal from nonliteral language.	4. Determine the meaning of general academic and domain-specific words and phrases in a text relevant to a grade 3 topic or subject area.
5. Refer to parts of stories, dramas, and poems when writing or speaking about a text, using terms such as chapter, scene, and stanza; describe how each successive part builds on earlier sections.	 Use text features and search tools (e.g., key words, sidebars, hyperlinks) to locate information relevant to a given topic efficiently.
6. Distinguish their own point of view from that of the narrator or those of the characters .	Distinguish their own point of view from that of the author of a text.
INTEGRATION OF KNOWLEDGE AND IDEAS	INTEGRATION OF KNOWLEDGE AND IDEAS
7. Explain how specific aspects of a text's illustrations contribute to what is conveyed by the words in a story (e.g., create mood, emphasize aspects of a character or setting). 8. (Not applicable to literature)	 7. Use information gained from illustrations (e.g., maps, photographs) and the words in a text to demonstrate understanding of the text (e.g., where, when, why, and how key events occur). 8. Describe the logical connection between particular sentences and paragraphs in a text (e.g., comparison, cause/effect, first/second/third in a sequence).
 Compare and contrast the themes, settings, and plots of stories written by the same author about the same or similar characters (e.g., in books from a series). 	Compare and contrast the most important points and key details presented in two texts on the same topic.
RANGE AND LEVEL OF TEXT COMPLEXITY 10. By the end of the year, read and comprehend literature, including stories, dramas, and poetry, at the high end of the grades 2–3 text complexity band independently and proficiently.	RANGE AND LEVEL OF TEXT COMPLEXITY 10. By the end of the year, read and comprehend informational texts, including history/social studies, science, and technical texts, at the high end of the grades 2–3 text complexity band independently and proficiently.



If a student has difficulty at one level, consider the earlier levels to develop the prerequisite competence.

Reading Anchor Standard 1: Read closely to determine what the text says explicitly and to make logical inferences from it; cite specific textual evidence when writing or speaking to support conclusions drawn from the text.

	READING LITERATURE	READING NONFICTION/INFORMATIONAL TEXT
K	With prompting and support, ask and answer questions about key details in a text.	With prompting and support, ask and answer questions about key details in a text.
1	Ask and answer questions about key details in a text.	Ask and answer questions about key details in a text.
2	Ask and answer such questions as who, what, where, when, why, and how to demonstrate understanding of key details in a text.	Ask and answer such questions as who, what, where, when, why, and how to demonstrate understanding of key details in a text.
3	Ask and answer questions to demonstrate understanding of a text, referring explicitly to the text as the basis for the answers.	Ask and answer questions to demonstrate understanding of a text, referring explicitly to the text as the basis for the answers.
4	Refer to details and examples in a text when explaining what the text says explicitly and when drawing inferences from the text.	Refer to details and examples in a text when explaining what the text says explicitly and when drawing inferences from the text.
5	Quote accurately from a text when explaining what the text says explicitly and when drawing inferences from the text.	Quote accurately from a text when explaining what the text says explicitly and when drawing inferences from the text.
6	Cite textual evidence to support analysis of what the text says explicitly as well as inferences drawn from the text.	Cite textual evidence to support analysis of what the text says explicitly as well as inferences drawn from the text.
7	Cite several pieces of textual evidence to support analysis of what the text says explicitly as well as inferences drawn from the text.	Cite several pieces of textual evidence to support analysis of what the text says explicitly as well as inferences drawn from the text.
8	Cite the textual evidence that most strongly supports an analysis of what the text says explicitly as well as inferences drawn from text.	Cite the textual evidence that most strongly supports an analysis of what the text says explicitly as well as inferences drawn from the text.
9- 10	Cite strong and thorough textual evidence to support analysis of what the text says explicitly as well as inferences drawn from the text.	Cite strong and thorough textual evidence to support analysis of what the text says explicitly as well as inferences drawn from the text.



Bloom's Taxonomy Can Clarify Common Core Literacy—and levels of complexity—proximal competence

LEVEL	Actions	Products
Knowledge CCSSR1, 4 GET IT	define, describe, duplicate, label, locate, list, memorize, recall, repeat, reproduce, state	glossary, list
Comprehension CCSSR1 GET IT CLEAR	classify, collect, describe, explain, identify, illustrate, paraphrase, recognize, report, restate, translate	chart, drawing, sequence chart, timeline
Application CCSSR 2, 3 CLARIFY IT	adapt, change, choose, demonstrate, employ, illustrate, interpret, operate, schedule, sketch, solve, use	illustration, model, report
Analysis CCSSR 2, 3, 5, 6, 9 ANALYZE IT	categorize, compare, contrast, differentiate, discriminate, distinguish, examine, experiment, predict, organize, question, select	diagram, flowchart, presentation, report
Evaluation CCSSR 8, 9 EVALUATE IT	appraise, argue, criticize, defend, evaluate, judge, rank, select, sort, support, value	editorial, rating, report, speech
Synthesis CCSSR7 CCSSW7 CONNECT IT	combine, connect, integrate, relate	artwork, article, booklet, exhibit, poem, report, speech, story
Creativity New category added in the 1990s. EXPAND IT	assemble, construct, create, design, develop, dramatize, formulate, invent	artwork, booklet, exhibit, poem, report, speech, story



How do you read a story?

THEME

characters sequence of events

motives choices changes



Expand Reading Competence

Reading Literature

Identify Common-Core Aligned Strategies and Skills your Students Need to Strengthen

Priority	Strategies and Skills needed for Fiction or Poetry			
	Draw conclusions and support them with evidence			
	Re-read to interpret a story or poem			
	Analyze problem-solution			
	Analyze author's design—tone, mood, structure			
	Explain how author's choice of words appeals to the senses, creates			
	imagery, suggests mood, sets tone			
	Use context to infer the meaning of a word			
	Identify elements of fiction: plot, characters, setting			
	Explain how literary devices—imagery, metaphor, dialogue—contribute to			
	the meaning of a selection			
	Identify and interpret figurative language			
	Analyze characterization/infer character traits			
	Recognize kind of text: fable, folk tale, legend, myth, fairy tale			
	Infer motive, cause-effect relations			
	Infer prediction—identify probable outcomes, actions			
	Infer the author's message or theme.			
	Organize and write constructed response			
	Organize and write extended response			



Use the Elements of Fiction to Plan or Interpret a Story

Story Writer's Choices-- Use the elements of Fiction to Plan and Write a Story CCSS Anchor Writing Standards:

- 3. Write **narratives** to develop real or imagined experiences or events using effective technique, well-chosen details, and well-structured event sequences.
- 4. Produce **clear and coherent** writing in which the **development, organization, and style** are appropriate to task, purpose, and audience.
- 5. Develop and strengthen writing as needed by planning, revising, editing, rewriting, or trying a new approach.

Story Reader's Framework-Use the elements of Fiction to analyze a story

THEME What is the **theme—the central idea** I want readers to understand?

CCSS reading literature 5: structure of the story

CCSS reading literature 2: Determine central ideas or themes of a text and analyze their development

PLOT > What happens? (structure of a story)

- How does it begin? (exposition)
- How does it continue? (rising action)
- What is the climax? (turning point)
- What happens after that? (falling action)
- How does it end? (resolution)

CCSS reading literature: CCSS 3: character development; 1: read closely, analyze, infer with evidence

CHARACTERS

- > Who are the main characters?
- > What are their traits or characteristics?
 - How does the writer communicate those traits?
 - ? include dialogue to help my readers understand the characters?
 - ? use actions they take to help readers understand their traits—and the theme?
 - ? tell the character's thoughts and feelings?
- > How do they feel about each other? (relationships)
 - How do readers learn that?
- > How does a main character change?
 - What causes that change?

CCSS reading literature 1: read closely, analyze, infer with evidence

SETTING

- > Where and when does it take place? (setting)
 - How do readers "see" that place?
 - How do readers know what that time is?
 - How does the setting create a mood or atmosphere?

CCSS reading literature 3: plot; 5: structure

PROBLEM OR CONFLICT

> What problem or conflict do the characters face? How do they solve it or resolve it?

CCSS reading literature 6: point of view

POINT OF VIEW

- > Who narrates?
 - A character from the story (first person)
 - A narrator who is just telling the events but not explaining the story (third person)
 - A narrator who is not part of the story but who tells us what the characters are thinking (third person omniscient)



QUESTIONS TO READ THOROUGHLY

FOR EACH QUESTION: Where in the story is the information you used to answer?

ccssr1. Read closely to determine what the text says explicitly and to make logical inferences from it; cite specific textual evidence when writing or speaking to support conclusions drawn from the text.	Where did this story happen? What kind of place was it? Who are the characters? What are their traits (or characteristics) What happened? • How did the story start? • What did the characters do? Why? • How did the story end? What could be next?
CCSSR2. Determine central ideas or themes of a text and analyze their development; summarize the key supporting details and ideas.	What do you think is the message or moral that the writer wants you to understand after you read the story? Why do you think that is the message?
CCSSR3. Analyze how and why individuals, events, and ideas develop and interact over the course of a text.	What is a problem people faced? How do the characters feel about it? What is a choice someone made? Why did that character make that choice? How did the characters feel about each other? Why do you think that? How did a character change from the beginning to the end of the story? Why do you think that?
CCSSR4. Interpret words and phrases as they are used in a text, including determining technical, connotative, and figurative meanings, and analyze how specific word choices shape meaning or tone.	How can you figure out what a word means when you read? Give an example of a word you figured out from this story. What are words that tell about the characters? How do they help you understand the characters?
CCSSR5. Analyze the structure of texts, including how specific sentences, paragraphs, and larger parts of the text (e.g., a section, chapter, scene, or stanza) relate to each other and the whole.	How does the first part help you understand the story—who is in it, or where it happens? How does the writer help you understand the story by what the writer tells you about the characters and what happens?



READ A STORY THOROUGHLY AND THOUGHTFULLY What questions would a Common Core teacher ask?

Standard	Kinds of Questions
Read closely to determine what the text says explicitly and to	Where did this story take place? What kind of place was it? Who was part of it? How did they feel?
make logical inferences from it; cite specific textual evidence when	What do you think the writer wants you to understand because of what the writer put into the story?
writing or speaking to support conclusions drawn from the text.	Support your answers with evidence from the text.
2. Determine central ideas or themes of a	What do you think is the central or main idea of this history (or story)?
text and analyze their development; summarize the key	Summarize the important information that supports your conclusion.
supporting details and ideas.	Support your answer with evidence from the text.
3. Analyze how and why individuals, events, and ideas develop and interact over the course	What is a problem people faced? Why was it important to people? What choices did people make? How did they affect other people?
of a text.	Support your answer with evidence from the text.
4. Interpret words and phrases as they are used in a text, including	What are 5 key words in this passage? Why are they important to understanding it?
determining technical, connotative, and	Support your answer with an example from the passage.
figurative meanings, and analyze how	How can you figure out what a word means when you read?
specific word choices shape meaning or tone.	Use the text to show an example.
5. Analyze the structure of texts, including how specific sentences,	How does the first paragraph prepare you to read the rest of the passage?
paragraphs, and larger portions of the text relate to each other	Choose another important paragraph. Tell why it is important to understanding the passage.
and the whole.	Support your answer with examples from the passage.

Predict: Write the next part of this story—with pictures and captions.

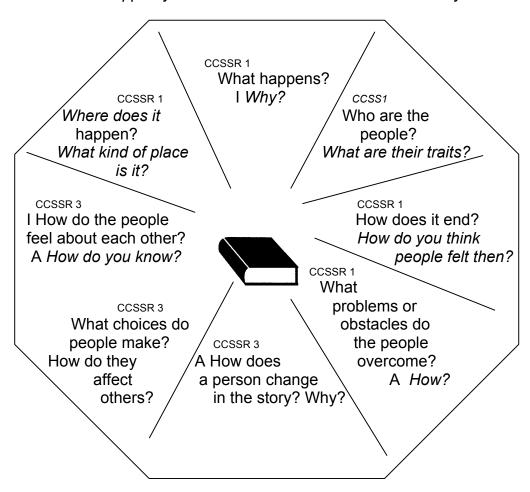


Common Questions for Thoughtful Fiction Interpreters

Common Core Anchor Standards: KEY IDEAS AND DETAILS

- 1. Read closely to determine what the text says explicitly and to make logical inferences from it; cite specific textual evidence when writing or speaking to support conclusions drawn from the text.
- 2. Determine central ideas or themes of a text and analyze their development; summarize the key supporting details and ideas.
- 3. **Analyze** how and why **individuals**, **events**, and **ideas develop** and **interact** over the course of a text.

Support your answers with evidence from the story.



What is the theme or message of this story? (CCSSR2) INFER

How did the writer help you understand that?

(Analyze: Craft and Structure—CCSSR 4, 5, 6)

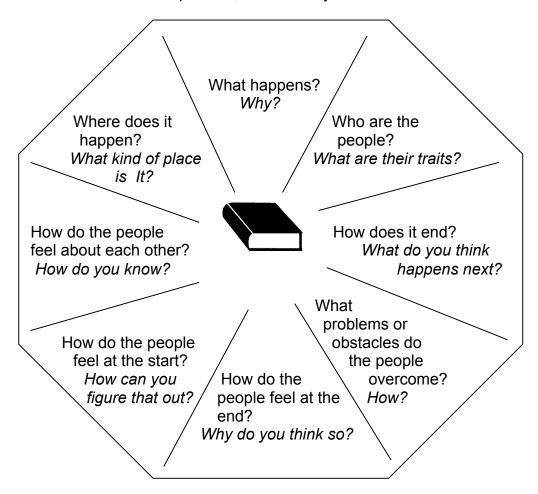
RE-visit the story and look for ways the author made the theme clear.



READ THOUGHTFULLY, then CREATE!

CCSSR Anchor Standard 1. Read closely to determine what the text says explicitly and to make logical inferences from it; cite specific textual evidence when writing or speaking to support conclusions drawn from the text.

The following standards-based questions ask you to think thoroughly about any story. Choose a story. Choose a question. Answer it with evidence from the story. Then choose and answer other questions. You can read collaboratively, too—each student answers a different question, then share your ideas.



CREATE!

After you read the story, think more!

- Write a preview for the story—tell why someone should read it.
- Illustrate the story. Draw pictures showing important events that support the theme.
- Write a letter that someone in the story might have written.
- Choose or write music that the characters would like.
- Create a collage showing how the parts fit together to communicate the theme.
- Tell about what might have happened before the story started.
- Add a character to the story.
- Turn it into a play.
 - > List the events and characters. Note the characters' traits.
 - > Figure out the message or theme of the story. Then write the dialogue.



Common Questions

These questions can be used to assess students' comprehension of texts. The following pages include guides that also can be used to assess specific kinds of reading processes.

FICTION QUESTIONS:

You can use these questions to assess students' reading of any **story**.

Plot Structure

What was the most important event? Why?

Cause-effect

What was an important choice someone made? What happened because of that choice?

Author's Techniques

How did the writer help you understand what the characters are like?

Theme or Message

What message or idea did the writer want you to understand by reading the story?

NONFICTION QUESTIONS

You can use these questions to assess students' reading of any nonfiction passage.

Important Information

What is the most important information in the first paragraph? Why do you think it is important?

Supporting Ideas

List the topics of the paragraphs.

Main Idea

What is the main idea of the selection? Why do you think that is the main idea?

Structure of the Text

How does the writer begin and end the passage? How does the beginning help you to figure out what you will learn? How does the ending help you understand what the writer wanted you to understand?



COMPREHENSIVE ASSESSMENT: How to read fiction

Title of the Story:
2. CCSSR1 Identify Sequence: What was the first event?
3. CCSSR1 Infer Character Traits: Name one character
What does trait mean?
What is one trait you infer that character has?
Give evidence: Explain why you think that character has that character trait?
4. CCSSR1 Identify Action: What is something that character does?
Infer Motive: Why do you think that character does that—what is the reason?
5. CCSSR2 Summarize the story. Write your summary on these lines.
6. CCSSR2 Infer the theme or moral: What is the theme of the story?
Why do you think that is the theme or moral?



Start Clearly to Read a Story Closely

Common Core Reading Standard 1: Read closely, then make and support logical inferences.				
Who and Where				
When you start to read a story, draw a picture that shows the place.				

Then add one or two characters who are part of the story. Predict what will happen.

Then read to find out what the people do.



I CAN COMPREHEND A STORY: SEQUENCE

Draw pictures to show what happened. Number each how to tell the sequence

CCSSR 1. Read closely to determine what the text says explicitly and to make logical inferences from it; cite specific textual evidence when writing or speaking to support conclusions drawn from the text.

Put the page number	-		

EXCEED On another page retell the story your way. Add details. Add dialogue.

I Can Comprehend A Paragraph or Page CCSSRI1.2. Identify the main topic and retell key details of a text.

You can draw the meaning of a sentence, or a paragraph or page. And if you show it with pictures, you see what you are learning as you read. Choose one sentence (or paragraph or page).

Draw a picture that shows what it says.
Then show your picture to another student. Ask that student to find the part you pictured. Ask them to write what they see your picture says.
I see

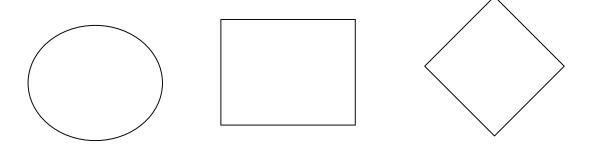


Story Illustrator:

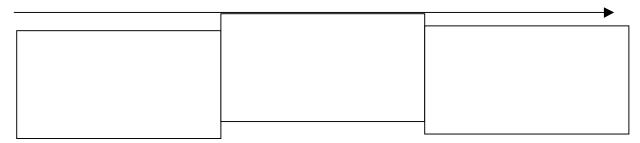
I can comprehend a story and infer the message.

CCSSR2. Determine **central ideas or themes** of a text and analyze their development; **summarize** the key supporting details and ideas.

Draw three persons who are in it. Show their traits by the details you put in the pictures.



Sequence the Events. Draw or tell how it started, what happened next, how it ended.



INFER: What is the message or lesson of the story?

Why do you think that is the message the writer wants you to understand?



SMART CHART: CHARACTER TRAITS

Common Core Reading Anchor Standard 4. Interpret words and phrases as they are used in a text, including determining technical, connotative, and figurative meanings, and analyze how specific word choices shape meaning or tone.

Remember, a character trait is how a person is all the time—traits don't change. List three more character traits. Then write the synonym and the antonym for each one.

TRAIT	SYNONYM	ANTONYM
brave		
wise		
logical inferences from it; cite conclusions drawn from the te Write about a character or p	lead closely to determine what the tex specific textual evidence when writing	g or speaking to support acter traits in your chart.



SMART CHART: FEELINGS

Common Core Reading Anchor Standard 4. Interpret words and phrases as they are used in a text, including determining technical, connotative, and figurative meanings, and analyze how specific word choices shape meaning or tone.

Remember, a feeling is what a person thinks at one time or another. It is how a person feels because something happens or someone says something or because the person wants something. Feelings change.

List three more feelings. Then write the synonym and the antonym for each one.

FEELING	SYNONYM	ANTONYM
happy		
angry		
logical inferences from it; cite conclusions drawn from the t Write about person who has	Read closely to determine what the te especific textual evidence when writing	ng or speaking to support art.



Story Interpreter: Feelings

CCSSR 3. Analyze how and why individuals, events, and ideas develop and interact over the course of a text.

Feelings are part of every story.

Think about one of the main characters in a story.

How does the character feel in different parts of the story?

Character:				
When At the	Feeling	Why the Character Feels this Way		
beginning				
When something important happens				
At the end				
What doe	s the character lea	arn from what happens in the story?		
If the cha	racter changes, ex	plain how and why.		
How:				
Why:				

Guide and Assess to Advance

Story Reader

CCSS Anchor Reading Standard 1. **Read closely** to determine what the text says **explicitly** and to **make logical inferences** from it; **cite specific textual evidence** when writing or speaking to **support conclusions** drawn from the text.

Show the place.	

Name three characters in the story. For each one, tell one trait. Explain why you think the character has that trait—based on the story.

Character	Trait	Evidence	

What was an important event?		

Tell how you think the characters felt about that event. Why do you think they felt that way?



Make Inferences with Evidence

These questions can be asked about **any story**, **history**, **or current event**. CCSS Anchor Reading Standard 1. **Read closely** to determine what the text says **explicitly** and to **make logical inferences** from it; **cite specific textual evidence** when writing or speaking to **support conclusions** drawn from the text.

INFERENCE	QUESTION	ANSWER	EVIDENCE
Infer from context	What does		
	mean?		
Infer feelings	How do you think		
	felt about		
Infer traits	What is a trait of?		
Infer motive	Why did		
	do this—	-	
Infer cause-effect relations	What caused		
Infer predictions	What do you think happened next?		
Infer the main idea	What is the main idea		Underline parts of the passage that give you
	of the passage?		that idea.

I can infer the moral or message of a fable.

CCSSR2. Determine **central ideas or themes** of a text and analyze their development; **summarize** the key supporting details and ideas.

Draw or briefly tell the three most important parts of the fable.

This is what I think the moral is.

This is what this fable shows about the culture's values.

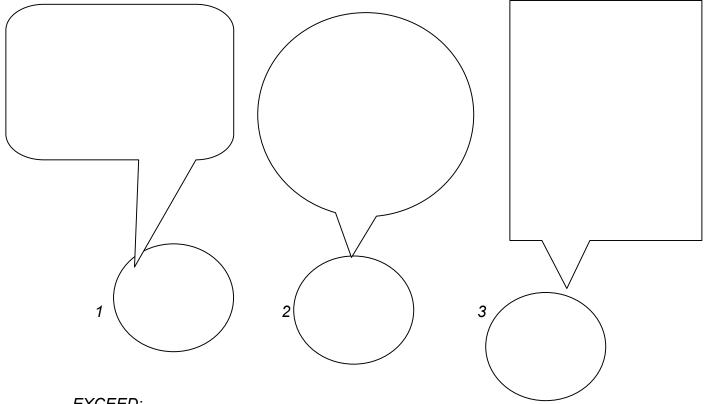
This is my evidence for that conclusion.

Expand a Story: Infer Evidence-Based Dialogue

Common Core Anchor Standard 1. Read closely to determine what the text says explicitly and to make logical inferences from it; cite specific textual evidence when writing or speaking to support conclusions drawn from the text.

Story:		
List three different character	S.	
12	2	3
INFER FEELINGS How do you infer each one felt?	Explain your answer with	evidence from the text.
Person 1 felt	because	
Person 2 felt	because	
Person 3 felt	because	

Write what you think each one might have said about what happened?



EXCEED:

What do you think the author would have said about the lesson you can learn from the story.

Guide and Assess to Advance

Write a Play to Communicate a Theme of a Story CCSSR5. Analyze the structure of texts, including how specific sentences, paragraphs, and larger parts of the text (e.g., a section, chapter, scene, or stanza) relate to each other and the whole.

Story:			
What happ	ened—list the impo	rtant events.	
How it start	:s:		
What happ	ens next?		
What's the	theme?		
reading.			swer with evidence from your
Who are th	e important charact	ers?	
Who	Trait	Action	What happens because of that action?

Guide and Assess to Advance
Dialogue: Write what characters might say.
:
;
<u> </u>
:
;
:
;

Keep writing—use more pages to retell the story as a play.



How to Interpret a Poem: Gradually Release Responsibility as Students Develop Core Competence

BIG Idea: Poets use words to communicate. Readers analyze a poem to figure out the message.

Big Questions: How do poets communicate their ideas? How do readers interpret a poem?

Common Core Anchor Standards: 1. Read closely to determine what the text says explicitly and to make logical inferences from it; cite specific textual evidence when writing or speaking to support conclusions drawn from the text. 2. Determine central ideas or themes of a text and analyze their development; summarize the key supporting details and ideas. 5. Analyze the structure of texts, including how specific sentences, paragraphs, and larger parts of the text (e.g., a section, a chapter, scene, or stanza) relate to each other and the whole.

Monday	Tuesday	Wednesday	Thursday	Friday
Preview Model	Model and GUIDE	GUIDE and go	ASSESS and	Fix Go Deeper
Interest		farther	Clarify	Finish well
I DO: Read first	I DO: Think out	I DO: List steps	ASSESSMENT	Students
stanza of poem	loud—how do I infer	to interpret a	S: Independently	needing
aloud. Thinks out	the theme of a	poem—read it	read another poem.	support:
loud—how do you	poem—how does the	once to figure	Identify theme. List	Read a new
infer meaning of a	writer use words and	out topic; read	ways the writer has	poem, use poem
word from	images to	it again to infer	communicated it.	reader (graphic
context? What is	communicate it?	theme; read it 3 rd time to	T. Observator	organizer)
figurative	WE DO:		T: Check for	to show how the parts
language?	Read rest of poem	identify techniques	Understanding— circulate and guide	communicate a
WE DO:	and think out loud with	used to	individuals needing	theme.
Guides students to	the students: What is	communicate	assistance.	tileille.
notice other	the theme of the	theme.	assistance.	
techniques used.	poem? How does the	uioiiio.	Think Out Loud	Advanced
Image, symbol,	poet express it with	WE DO:	with Class or	Students:
alliteration, rhyme.	techniques (images,	Analyze	group: clarify any	Write your poetry
	tone, mood, repetition,	different poem,	points students did	guide to reading
YOU DO	other elements)	steps 1, 2, 3.	not "get".	a poem—use a
Make symbol-word				different poem—
picture chart—	YOU DO:	YOU DO:	Students needing	could be a poem
word and symbol	Re-read poem and list	Picture a	support:	you write!
used in poem.	evidence for the	poemshow	Pair and compare	
VA/In at in figurestics	theme.	the poet's idea.	lists, add more	01
What is figurative language?	Draw a picture of what poet "says" in poem to	Make a "key" to your picture	evidence of ways the poet	Class Synthesis: What have we
Give one example	communicate the	Theme	communicates the	learned about
from the poem.	theme.	Images	theme.	interpreting
nom the poem.	Share/compare.	iiiages	tricine.	poems?
Check for	Charoroompare.		Advanced	(Can be a guide
Understanding:	Check for		Students:	to interpreting a
Start poet's	understanding:	Check for	Write about	poem.)
glossary:	continue poet's	Understandin	poem—letter to the	, ,
Image	glossary:	g:	poet or extended	
Symbol	Theme	Write your own	response—how did	
Infer Context	Interpret Repetition	directions: how	this poet create a	
Alliteration	Mood	to interpret a	mood or tone?	
Onomatopoeia	Tone	poem.		
Narrator	Rhythm, Meter			
Rhyme	Title			
Stanza				

Guide and Assess to Advance



Poem Interpreter

This page develops CCSSR Anchor Standard—Key Ideas and Information: 2. Determine central ideas or themes of a text and analyze their development; summarize the key supporting details and ideas. The next page develops the analysis of author's craft and structure.

A poet is like a painter. The poet uses words to help you understand a theme or

message.
Poem:
What do you like most about this poem?
Draw a picture to illustrate the poem. Show what you think the poet's message is.
✓ What is the theme of the poem—what is the poet's message?
Why do you think that is the message the poet wants you to understand? Give examples from the poem that support your interpretation.



POEM ANALYZER CCSSR Anchor Standards—Craft and Structure

- 4. **Interpret words and phrases** as they are used in a text, including determining technical, connotative, and figurative meanings, and analyze how specific word choices shape meaning or tone.
- 5. **Analyze the structure of texts**, including how specific sentences, paragraphs, and larger parts of the text relate to each other and the whole.

A poet uses techniques. Look for examples of these techniques in the poem.

Technique	Example
alliteration	
metaphor	
simile	
narrator	
rhyme	
symbol	
repetition	
onomatopoeia	
Think about th	ese questions. Give evidence to support your answers.
✓ Choose a lin	ne you think is very important. What is the line?
Why is that lir	ne important?
✓ What is the feeling?	mood of the poem—the feeling it has—happy, sad, calm, another
How does the p	poet give the poem that mood?

EXCEED:

- > Write about the poem. How it is like a story you have read or an experience you had?
- > Write your own poem about the theme of this poem.

Compare and Contrast 2 Texts

CCSSR9. Analyze how two or more texts address similar themes or topics in order to build knowledge or to compare the approaches the authors take.

Theme:	
Text:	Text:
Explain the most important difference be	petween the two texts.

Compare a Poem and a Story

CCSSR9. Analyze how two or more texts address similar themes or topics in order to build knowledge or to compare the approaches the authors take.

Poem:	
Story:	
	Write or draw a symbol to show the story's message.

How did the poet communicate that message?

How did the story writer communicate that message?

How are they alike?



How do you read nonfiction?

Figure out the

Central Idea

Use the structure of the text to identify

- Supporting Ideas
- Relevant Examples
- Supporting Information
- The writer's purpose—what does the writer want you to understand?



BIG Idea:

Nonfiction writers use facts and examples to explain ideas about a topic in informational text.

BIG question for nonfiction readers:

How do you read nonfiction?



Nonfiction Reading/Content Area Learning

Science

Social Studies

Which of these kinds of thinking do your students need to strengthen?

Priority	Strategies and Skills Needed for Non-Fiction
	Skim
	Scan
	Re-read to locate information
	Interpret Instructions
	Compare and contrast
	Sequence
	Contrast fact and opinion
	Summarize
	Use context to infer the meaning of a word
	Infer main idea and identify supporting details
	Determine author's purpose
	Use information in illustrations to understand a passage
	Determine the purpose of features of text
	Draw conclusions and support them with evidence
	Organize and write constructed response
	Organize and write extended response

Guide and Assess to Advance



Visualize Nonfiction: Show to Tell

CCSS Anchor Reading Standard 1. Read closely to determine what the text says explicitly and to make logical inferences from it; cite specific textual evidence when writing or speaking to support conclusions drawn from the text.

Draw a picture that shows what you learned.			
Then show your picture to another student. Ask them to write what they see and think about what your picture shows.			
I see			
I think			



Visualize Nonfiction: Show, Then Write What You Learn

CCSSR1. Read closely to determine what the text says explicitly and to make logical inferences from it; cite specific textual evidence when writing or speaking to support conclusions drawn from the text. CCSS Writing Standard 2. Write informative/explanatory texts to examine and convey complex ideas and information clearly and accurately through the effective selection, organization, and analysis of content.

Горіс:				
mportant Informa	ation Picture ir	mportant	facts.	

Write what you learned.

Add captions to your pictures.

Then write a booklet. You can cut out the boxes and put them in the order you want to use the facts.



Answer the BIG question in a Picture Book or Display CCSS Anchor Writing Standard 2. Write informative/explanatory texts to examine and convey

complex ideas and information clearly and accurately through the effective selection, organization, and analysis of content.

What is the BIG QUESTION you will answer?

Guide	and	Assess	to	Δdv	/an	<u></u>
Guiue	anu	MOOCOO	w	πu	an i	-c

TOPIC: Research to Build and Present Knowledge CO research projects based on focused questions, de investigation.	CSSW 7. Conduct short as well as more sustained emonstrating understanding of the subject under
Important Words	
•	
Important Information	
BIG IDEA	
Show it here!	
Caption:	



I can identify relevant information to answer a BIG question.

Topic: _____

CCSS Anchor Reading Standard 1. Read closely to determine what the text says explicitly and to make logical inferences from it; cite specific textual evidence when writing or speaking to support conclusions drawn from the text.

BIG question about it		
What I will read:		
List information from the text to answer the question.		
Information	Page #	

Write your answer to the BIG question. Support your conclusion with information from your list. Either use quotation marks if you use a statement from the text or paraphrase it—write the information in your own words.



I Got It—here is my clear summary. CCSSR2. Determine central ideas or themes of a text and analyze their development; summarize the key supporting

details and ideas.

Topic:				
Important Words:				
Word	What it Means			
Important Facts:				

My Summary:

On another page, write and draw to tell and show what's important.

COMPREHENSIVE ASSESSMENT: Non-Fiction

I can identify the topic, main idea, purpose, opinion, and summarize a nonfiction passage

1. What is the topic?
The topic is not the title. What is the topic that the passage explains?
2. Infer the main idea of a paragraph: What is the main idea of the first paragraph?
3. Infer the purpose: What is the purpose of the passage? Why did the writer write it?
Explain: How do you know that is the purpose?
4. Classify Fact and Opinion: What is an opinion in the passage?
Explain: How do you know it is an opinion?
5. Infer the main idea of a passage. What is the main idea of the whole passage?
Support your answer. Explain why you think that is the main idea?

Exceed: Make up a multiple-choice quiz about the topic. Ask **challenging** questions.



Strengthen Science and Literacy



Guide and Ass	ess to Advance □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
SCIENCE/LITERACY BLUEPRINT	Topic:
2C. Know and apply concepts that describe propertie2 D. Know and apply concepts that describe force and2E. Know and apply concepts that describe the feature	things function, adapt and change. g things interact with each other and their environmen s of matter and energy and interactions between them d motion and the principles that explain them.
Concepts: based on the Cross-Cutting Concepts of Science, Necause-effect relationsadaptationistructure and functionstability and cha	nterdependencepatterns
BIG Ideas (also called "enduring understandings")	Essential Questions
Read to Learn: Common Core Reading Anchor Sta 1 Read closely to determine what the text says expli- specific textual evidence when writing or speaking 2. Determine central ideas or themes of a text and a supporting details and ideas. 7. Integrate and evaluate content presented in dive- quantitatively, as well as in words.	icitly and to make logical inferences from it; cite to support conclusions drawn from the text. analyze their development; summarize the key
Write to Learn More: Common Core Writing Anchor 2. Write informative/explanatory texts to examine information through the through the selection, organ 7. Conduct short as well as more sustained research demonstrating understanding of the subject under investment of the subject of the subjec	a topic and convey ideas, concepts, and anization, and analysis of relevant content. a projects based on focused questions,
Literacy Outcomes: Students will increase comprehend: summarize read analytically: locate classify compare read strategically, focusing on big question(s interpret visuals, relate to text cite evidence to support an idea or justify a compart synthesize from different sources write and/or illustrate to explain ideasexplain.	contrast sequence infer with logic/support) conclusion
Content Outcomes: Students will expand apply to analyze topics of science.	knowledge of concepts they can explain and
Summative Assessment:Make present make bookletWrite a _Outline then write response to BIG question	Illustrate aCreate

Guide and Assess to Expand Learning Progress	$\Leftrightarrow \Box \!$		
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GRADUAL RELEASE SCIENCE LESSON PLANNER W Topic: BIG QUESTI	WITH EXAMPLES TION/INQURY:	
KEY ACADEMIC VOCABULARY (CCSSR4)		
	ure and function;systems;stability and change;patterns ret datacollect, communicate information	
	SR1);Summarize, identify central idea, supporting ideas (CCSSR2); mation (CCSSR5);Integrate information, ideas from different sources (CCSSR7)	

PREVIEW, Model, Interest	Model and Guide	Guide and Go Farther	Assess, Clarify, Advance	Fix, Expand, Finish Well
EXPLORE	EXPERIMENT	EXAMINE	EXPLAIN	EXPAND
T: I DO	T: I DO Model how to	T: I DO Use graphic organizer to	S: Formative Assessment	T: I DO/WE DO
> INTRODUCE THE		show how to add information		Guide students needing support—
INQUIRY		from reading and organize ideas	YOU DO independently	make outline with students they
		and information about a topic.	write their answer to the	then follow to organize
		_	big question, citing	information
WE DO:	WE DO:		evidence from reading	use graphic organizer to clarify
Observe a	Collect information	WE DO:	and experiment	ideas and relevant information
demonstration, make	Experiment; observe	Collect information from	_	_
hypotheses	_	reading/research		
<u> </u>		Organize information	T: I DO clarify based on	S: ADVANCED Students who
0. 1/0// 00	0 7011 00	Analyze information	assessment.	"meet" move to "exceed"
S: YOU DO	S: YOU DO		Students demonstrate	write booklet about topic
Locate, list important information	Read to learn more	C. VOLLDO	how they completed the	make display about the topic
	read independently or with	S: YOU DO	assessment	make presentation
Support hypothesis	partner to locate information	complete graphic organizer make up questions, exchange	Outline a report on the	_
	Illioilliation	make up questions, exchange	inquiry	
	_	_	-	
Check for Understanding:	Check for Understanding:	Check for Understanding:	Check for Understanding:	CLASS SYNTHESIS:
start glossary	write learning summary	learning summary	use glossary to write	What did we learn about how to
write learning summary	continue glossary	complete glossary	Pair/Compare	learn science?
Pair/Compare	Pair/Compare	Pair/Compare		What ideas did we learn?



Science/Literacy Learning Week Example

Topic: Ecosystem

Cross-Cutting Concept: Systems

Big Question: What is an ecosystem?

Vocabulary: climate, food web, animals, vegetation, balance, ecology

What will students read? Chapter from science book

How will students develop vocabulary? Make their own glossary

What will students write? Daily learning journal; essay about ecosystem

How will I assess? Glossary; explanation of ecosystem in report.

Preview Model	Model and GUIDE	GUIDE and go farther	ASSESS and Clarify	Fix Go Deeper
Interest				Finish well
T: Preview,	T: Read one	T: model how to	S: SUMMARIZE	S: Exceed
what is an	paragraph,	ORGANIZE	Answer the	students make
ecosystem?	ask students	Chart parts of	question—What	ecosystem
List current	to identify	the ecosystem.	is an	book with
answers.	more key		ecosystem?	illustrations
Read aloud and	facts.	S: Make chart	Write a	and glossary
students		ecosystems—in	summary about	and
identify key	S: Read more	group—each	ecosystem—	diagrams—
facts.	and add facts	group a different	include words	what is an
Ask the BIG	to list.	ecosystem. Use	from glossary.	ecosystem
question.	Add words to	book to get	Include in your	(expanded).
	glossary.	facts.	writing:	
S: Start		Add words to	1. What is it?	For students
glossary—write		glossary.	2. What is an	needing added
and draw			example of	guidance:
pictures to		Daily Learning	one?	List facts about
show word		Journal	3. What are	ecosystem
meaning.	Daily Learning		important parts	from the
	Journal		of that one?	reading;
Daily learning			4. Why is	Then sort
journal.			balance	them: find
			important to an	answers to the
			ecosystem?	four Thursday
			T: Clarify.	questions. List
				the answers.



Daily Learning Report

Today's Important Science Learning
What was today's topic you learned about in science?
List three important things you learned about this topic today.
1.
2.
2.
3.
Make up a question about today's science learning. Another student will answer
it tomorrow.



NEXT GENERATION SCIENCE

CROSS-CUTTING CONCEPTS OF SCIENCE

www.nextgenscience.org/next-generation-science-standards

The Conceptual Part of Science

- Patterns
- Cause and effect
- Mechanism and explanation
- Scale, proportion, and quantity
- Structure and function
- Systems and system models
- Energy and matter: Flows, cycles, and conservation
- Stability and change

The next page can be used to assess students' knowledge of each of these concepts—for example, they can put a pattern's name in the Word column then draw it and then write another related word.



SMART CHART: CORE VOCABULARY

TOPIC:

Common Core Anchor Reading Standard 4. Interpret words and phrases as they are used in a text, including determining technical, connotative, and figurative meanings, and analyze how specific word choices shape meaning or tone.

WORD	Show what it means. Draw a picture.	Write a word that tells about your word. It could be an adjective or a word in another language.
		a word in another language.

Make the Writing Connection

Use your core vocabulary to write about this topic.



Share Knowledge: FACT BANK

This Graphic Organizer can be used to assess if completed independently, or as a learning guide.

TOPIC:	
Important Facts	

Evaluate your facts.

Decide which facts are most important to understanding the topic.

Rank them as most important with 1, important with 2, not important with 3.

Expand Knowledge

Use your facts to write about this topic to explain it to other students.

|--|

Learning Reporter
Common Core Anchor Reading Standard 2. Determine central ideas or themes of a text and analyze their

de	velopment; summarize the key supporting details and ideas.
Tania	
Topic:	
What are 3 importan	t words you need to know to understand this topic?
Word	What It Means
Use a graphic organ	izer or draw a picture to show what you know about the topic.

Write a summary paragraph about the topic. Include the words you listed. Include ideas and information you show in your picture or graphic organizer.

Guide and Assess to Expand Learning Progress			
supporting details ar CCSSW2. Write inf	e central ideas or themes of a text and analyze their development; summarize the key		
Topic:			
What are some	important words to know to understand this topic?		
Word	What It Means		
What's importa	nt to know about this science topic?		

Guide and Assess to Expand Learn	ing Progress ⇔⇔⇔
THIS WEEK'S SCIENCE LEA CCSSR2. Determine central ideas summarize the key supporting deta	or themes of a text and analyze their development;
TOPIC:	
What are five words that are import	ant to understanding this topic?
Word	What It Means
What are the most important fact	ts and ideas you learned about it? List them here.

Write a SummaryUse your facts and words to write about this topic. Explain it with examples.



SCIENCE GLOSSARY

List words or phrases that are important to science. Then explain what each one means and give an example. You can make your glossary for one topic

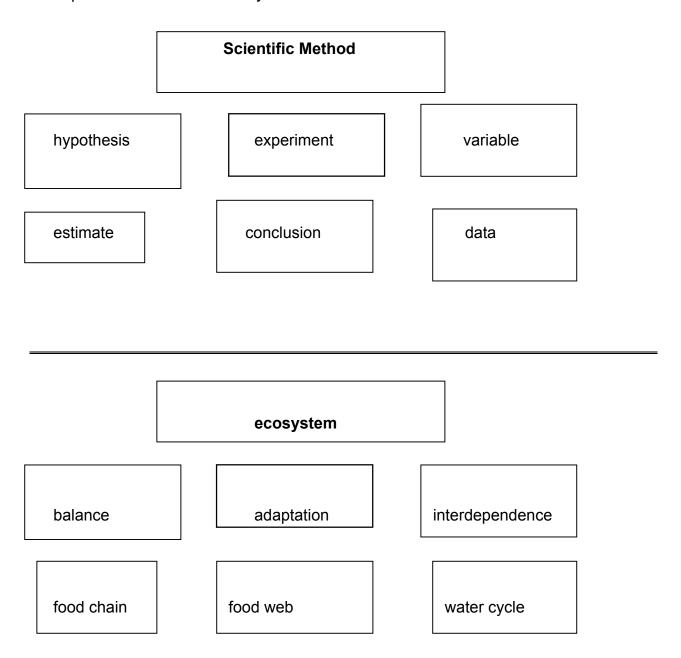
Word	What It Means	My Example



Show Relationships

Set up Science Word/Idea Connection Exhibits—ask students to add words and illustrations and then to write a summary with these words.

Examples of Science Vocabulary Word Walls





Scientists Follow Rules for the Safe Science Lab

Safe Practice	Why?	What could happen if you don't follow this practice?

Guide and Assess to	Expand Learning	Progress
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I can Synthesize Science
CCSSR7. Integrate and evaluate content presented in diverse media and formats, including visually and quantitatively, as well as in words.

Topic:			
Important Words			
Word	Word	Word	Word
Picture	Picture	Picture	Picture
Important Information	on		
Show or write about	t the topic here.		

Complete this diagram about a story or a real event.

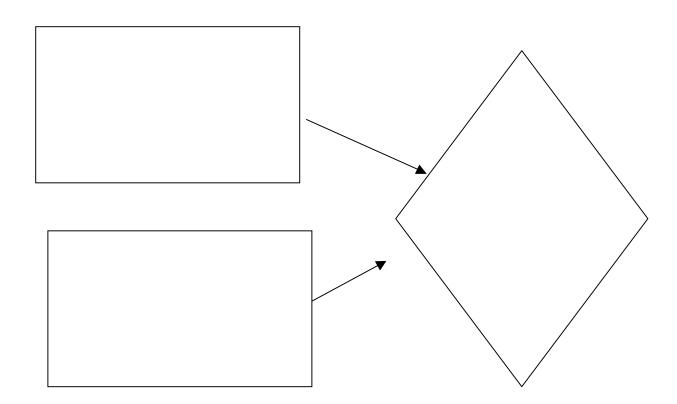
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I Can Analyze Causes and Effect

This Graphic Organizer can be used to assess if completed independently, or as a learning guide.

Story or Event: _____

In the boxes write two different causes of an important change or action. In the diamond write the important change or effect of those causes.



Summarize	what	your	diagram	shows.
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Analyze Science Arguments

CCSSR8 Delineate and evaluate the argument and specific claims in a text, including the validity of the reasoning and sufficiency of the evidence.

CCSS Writing Standard 1. Write arguments to support claims in an analysis of substantive topics or

texts using valid reasoning and relevant and sufficient evidence. Issue:				
One Position	Another Position			
Supporting Reasons and	Supporting Reasons and			
Facts:	Facts:			

MY POSITION:

Write to explain your position. First, list examples and evidence to support your position. Then write a persuasive statement.



The graphic organizers in part 2 of this guide can support science learning.



Strengthen Social Studies and Literacy



Connect social studies, literacy and art to develop skills and expand knowledge.

Recommended Topics and Resources Based on the Illinois Learning Standards

We recommend that you ask **a** "**big question**" as you start each unit. The following chart provides examples of very big questions that could be used to organize units that will give students opportunity to develop thinking abilities as well as expand knowledge.

Use BIG questions to help students learn social studies content.

Geography

Who lives where, why, how?

How and why have people changed the places they live?

Culture

How do people live in a culture?

What is important to that culture?

Economics

How do people use what they have to get what they need and want?

How has the economy changed?

Government

How does government work?

How does government affect people?

How has government changed?

What should citizens do to bring about more progress?

You may decide to combine the content areas as you study one place. Here is an example.

Place: _	
G	seography: What is here now? What has changed?
С	culture: How do people live? What are their values?
E	conomy: How do get what they need to live?
G	overnment: How does the government work?

History is embedded in each of those content areas—history can help students understand each of those parts of social studies, so it is not a separate subject.



Kindergarten-Eighth Grade Social Studies Content

Kindergarten People and Places

First Grade Neighborhoods Now and Then

Second Grade Communities

Third Grade Cities: Choices, Changes, Connections

Fourth Grade Regions Near and Far

Fifth Grade
Sixth Grade
Seventh Grade
Eighth Grade

American People and Places, Past - Present
Understanding the World—Past and Present
American History: Choices and Changes
US History—Challenges, Choices, Changes

Examples of BIG questions

Place

- Who lives where?
- How and why do people travel?
- What are the resources?
- How have people changed this place?
- What are the parts of a city?

People

- What are the parts of a community?
- How do people live?
- How do people help each other?
- What is important to people in this place?
- What are the values of the culture?

The Economy

- What work do people do in a school?
- What work do people do in the city?
- What work do people do on a farm?
- How do businesses work?
- · How has the economy changed?

Government

- How and why do people make rules and laws?
- How does government help people?
- What are citizens' responsibilities?
- What is a democracy?
- What is a nation?



Example: SOCIAL STUDIES LESSON FOR A WEEK

Focus of the Week: American Government Structure

What students will learn:

Understand and explain basic principles of the United States government. (ILS14A) Locate, collect, organize, synthesize information. (ILS5A)

Big Question: How do the branches of government work together?

Vocabulary: government, democracy, executive, judicial, legislative, congress, federal, senate, house of representatives

Reading: Textbook chapter

Writing: Explain the journey of a bill from idea to action.

Monday	Tuesday	Wednesday	Thursday	Friday
T: Preview	T: Explain	T: Explain	T: Make a timeline	S:
government	legislative branch	Executive and	showing how a bill	Make a book
		Judicial branches	becomes a law.	about government.
S: Students list	S: Read to locate			Include drawings
facts they know	and collect	S: Make chart	S: Make a timeline	and explanations.
about:	Important facts	showing the three	showing how a	Include a glossary.
government.	about legislative	branches' roles.	specific bill would	
	branch.	Write about way	become a law and	Students needing
S: Start picture		the three	then tell what the	support:
glossary.		branches fit	other branches of	
		together.	government would	
			do about it. Draw	
			pictures showing	Complete social
			the steps.	studies glossary.
			T: Clarify any	
			misunderstandings.	



Read to Learn, Share What You Learn

Choose a topic book.

- 1. Preview the book—what is it about? What do you think you will learn?
- 2. Ask a big question.
- 3. Read to find information to answer the BIG question.
- 4. List what you find.

 Make a picture glossary.

Make a list of important facts.

- 5. Organize what you find—make a chart diagram map timeline table
- 6. Show one important idea you learned—draw a picture, write a caption.
- 7. Write what you learned.

Organize and write a...

Page Paragraph Play Essay Book Letter Speech Report

TOPIC:



Smart Chart: Social Studies Vocabulary

CCSSR4: Develop academic vocabulary

MODD	Show what it means. Draw a	Write another word that
WORD	picture.	tells about this word. (It could be this word in
		another language.)
Make the Writing Conne	ection!	1
Use your word bank to v	אוונ כ מטטנו נוווס נטטוט.	



I can classify facts and opinions.
Common Core Anchor Reading Standard 1. Read closely to determine what the text says explicitly and to make logical inferences from it; cite specific textual evidence when writing or speaking to support conclusions drawn from the text.

Put statements of facts in column 1 and statements of opinion in column 2. If a text does not include opinions then the opinion column is blank.

These are facts I found in the text.	These are opinions I found in the text.

This is what bias means:

This is an example of bias in this reading:



Comprehend a Culture
Common Core Anchor Reading Standard 2. Determine central ideas or themes of a text and analyze their development; summarize the key supporting details and ideas.

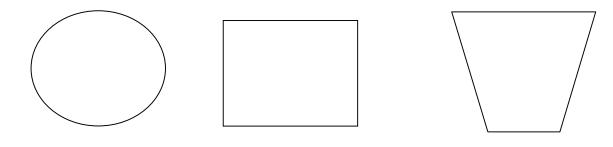
CULTURE: _	
List or dr	aw information for each category.
Place	
Homes	
Work	
Think More:	What is an important value of this culture?
Explain your	conclusion. Why do you think that is an important value?

Guide and Assess to Expand Learning Progress □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □
History Reader Common Core Anchor Reading Standard 1. Read closely to determine what the text says explicitly and t make logical inferences from it; cite specific textual evidence when writing or speaking to support conclusions drawn from the text.
Draw two persons who are in it. Show their traits in your pictures.
Show the most important event.
Write a caption for your picture.
CCSSR 2. Determine central ideas or themes of a text and analyze their development; summarize the key supporting details and ideas.
What lesson can people learn from the history?
Explain why you think that. Summarize the parts of the history that support your conclusion.

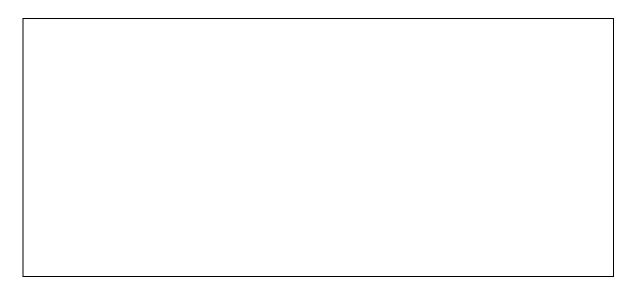
Who is in a history?

CCSSR1 Read closely to determine what the text says explicitly and to make logical inferences from it; cite specific textual evidence when writing or speaking to support conclusions drawn from the text.

Draw three persons who are part of it.



Draw the place.



Sequence the Events.

Guide and Assess to Expand Learning Progress			
explicitly and to make writing or speaking to Name two persons	ng Standard 1. Read clo ke logical inferences fro support conclusions	ach one, tell one trait. Explain why	
		,	
Person	Trait	Evidence	
What caused the event?			
How do you infer the persons felt about that event.			
Why do you think they felt that way?			

TOPIC:



Analyze History

CCSS Anchor Reading Standard 2. Determine central ideas or themes of a text and analyze their development; summarize the key supporting details and ideas.

ORGANIZE TO UNDERSTAND			
People			
Place			
Challenges			
Choices			
Changes			
Think More: What is an important idea you learned about this history?			

Explain your idea. On another page use information you found to support that idea.

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CCSSR2. Determine centra details and ideas.	ıl ideas or themes of a text and analyze their development; s	summarize the key supporting
Topic:		
Important Words:		
Word	What it Means	
Important Facts:		

My Summary:

On another page, write and draw to tell and show what's important.

Guide and Assess to	Expand	Learning	Progress
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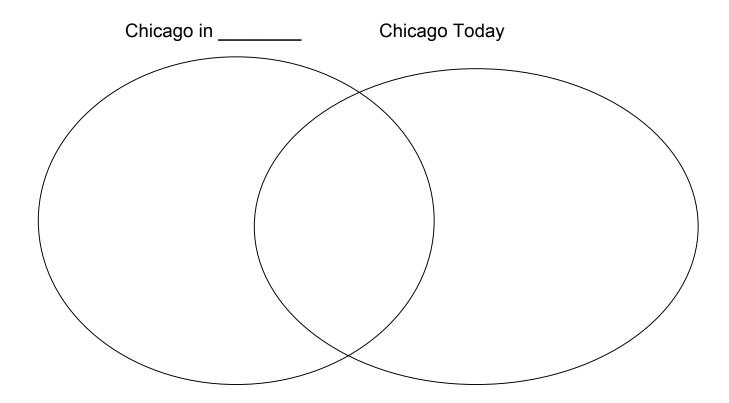
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Read to Learn

CCSSR2: Learn ideas by reading to develop them.

IDEA: Places change.

Big Questi	ion: What are ii	mportant way	s Chicago ha	as changed?
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Guide and Assess	to Expand	Learning	Progress
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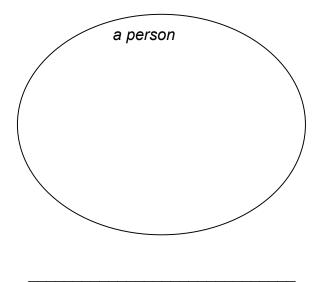
Visualize Nonfiction: Show and Tell History

KEY IDEAS AND DETAILS—Common Core Literacy Standards

- 1. Read closely to determine what the text says explicitly and to make logical inferences from it; cite specific textual evidence when writing or speaking to support conclusions drawn from the text.
- 2. Determine central ideas or themes of a text and analyze their development; summarize the key supporting details and ideas.

Show three important parts of the history you are learning. Write a label for each part.





the event

What is an important lesson people can learn from this history?

Guide and Assess to	Expand	Learning Progress
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TOPIC:

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₩	\Box

Charts Guide Learning about People, Places, Events
CCSS Anchor Reading Standard 1. Read closely to determine what the text says
explicitly and to make logical inferences from it; cite specific textual evidence when
writing or speaking to support conclusions drawn from the text.

	ORGANIZE TO UNDERSTAND
People	
Places	
Challenges	
Choices	
Changes	

Write to explain what you learned. Write a summary of your chart.



COMPREHENSIVE HISTORY READING ASSESSMENT

Sequence; Infer with evidence; Summarize; Draw Conclusions (CCSSR 1, 2)

Answer with Evidence

IDENTIFY SEQUENCE (This is a Check-In Question —are you on the page?)
1. What happened first?
In which paragraph did you find that information?
INFER Character Traits Choose one person from the history.
What is one of that person's character traits?
SUPPORT YOUR INFERENCE Why do you infer that?
INFER Motive 3. What is an action that person took?
What was the person's motive?
SUPPORT YOUR INFERENCE Why do you infer that?
Infer Cause-Effect Relations 4. What happened because of that action?
Why do you think that is an effect?
SUMMARIZE (This is a Check-Out question—did you comprehend the passage?)

SUMMARIZE (This is a **Check-Out question**—did you comprehend the passage?) Write a three-sentence summary of what happened. Tell the main idea. Use evidence from the history to support your conclusion.

DRAW CONCLUSIONS—may be constructed response or extended response. What is a lesson people can learn from this history? Explain why you think that is an important lesson.



Picture Planner—Show Social Studies

What is the main idea I want people to understand when they see my Pictur	re?
What details will I show so they see what I mean?	
	_
	_
	_
	_
Make a sketch of your picture here.	
First, think what you will put in the middle to show that it is important	



Think BIG

Common Core Anchor Reading Standard 2. **Determine central ideas or themes** of a text and **analyze** their **development**; **summarize** the **key supporting details** and **ideas**.

BIG IDEA:		
Important Words		
Important Information	on	
Show your idea here in a drawing of	r graphic organizer.	
Write a caption:		



The graphic organizers in part 2 of this guide can be used to strengthen social studies learning.



Write your ideas.

Writing is thinking on paper.

Drawing is a kind of writing!

Writing = Thinking

Drawing = Thinking

Writing and Drawing = Learning More!



CRAFT

This activity example is based on RAFT, developed by the International Reading Association.

Content	Pioneer life in early	Phases of the	Proportion:
	America	moon	Fractions
Role	An oxen who just	The moon	The denominator
	finished the trip west		
A udience	The wagon master	Earthlings	A decimal
Format	List of complaints and	Booklet with	letter
	recommendations	diagrams	
T ell	Facts about the	My phases: what	How we are connected—
	difficulties pioneers	causes them, what	how the fraction and
	faced getting to their	you see, why you	decimal are alike.
	destination	should know them	

Content	How to read history	The scientific method	How to read fiction
R ole	The textbook	Madame Curie	A character from a story
Audience	A textbook reader	A lab assistant	A reader
Format	Step-by-step guide	Report	checklist
Tell	What features to look	How to make sure	What you need to pay
	for; what kinds of	you research using	attention to so you really
	ideas to read for;	standard scientific	learn my story.
	strategies to use to	method; what I	Elements of fiction;
	report what you learn	learned	character development;
			plot; theme

PARAGRAPH WRITER

CCSSW2—explain ideas with support

0000112	CAPIGITI IUGUS WIGI SUPPORT
What is th	ne Main Point or Idea I will communicate?
	ormation can I use to support it? Write it on these rows. Or use small pieces of d write one fact on each piece.

Get It Across: Organize Your Paragraph

You may use all your facts.

You may decide not to use some facts.

Number the facts in the order you will put them in your paragraph.

Guide and Assess to E	Expand Learning Progress	$\Diamond \Box \Box$
Expository Wi		generate ideas and organize my writing.
What's the topic?		
	es—parts of this topic—that I w rmation you will use to explain t	ill use to help people understand it? that part of the topic.
Subtopic	Subtopic	Subtopic
Information	Information	Information
How will I start my writin important thing to under		n writing about and what the most

How will I conclude so my reader knows what was most important about this topic?

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Narrative W	
What event will I e	xplain?
What parts of the	event will I tell? List them on this time-line.
l'll rer	nember to tell what happened AND how people felt about it.
What persons will	I include?
Person	How this person felt about the event
How will I start my What will I say to m	narrative? wake it clear what I'm telling and why?

How will I end my narrative so people know what was important about it?

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Argumentative Writer CCSSW1: Argumentative Writing.
What's the issue?
What is my position?
What information is important to make that point clear to my reader?
(You can use the boxes to number the order in which you will include these facts.)
How will I start my writing so my reading knows my position?
<u> </u>
How will I conclude so my reader believes in my position?

Guide and Assess to Exp	and Learning Pro	ogress ⊏>[-> ∟ ->			
Poem Writer CCSSR4. Produce clear and c appropriate to task, purpose, a	oherent writing in w	nich the developm	nent, organization, and	I style are		
Topic, feeling or theme:						
Words that are part of	of explaining	it				
Start with your visio	n: Picture/Dia	gram/Idea				
^^^^	^^^^	^^^^				
Poem						



Use the Elements of Fiction to Plan or Interpret a Story

Story Writer's Choices-- Use the elements of Fiction to Plan and Write a Story CCSS Anchor Writing Standards:

- 3. Write **narratives** to develop real or imagined experiences or events using effective technique, well-chosen details, and well-structured event sequences.
- 4. Produce **clear and coherent** writing in which the **development, organization, and style** are appropriate to task, purpose, and audience.
- 5. Develop and strengthen writing as needed by planning, revising, editing, rewriting, or trying a new approach.

Story Reader's Framework-Use the elements of Fiction to analyze a story

THEME What is the **theme—the central idea** I want readers to understand?

CCSS reading literature 5: structure of the story

CCSS reading literature 2: Determine central ideas or themes of a text and analyze their development

PLOT > What happens? (structure of a story)

- How does it begin? (exposition)
- How does it continue? (rising action)
- What is the climax? (turning point)
- What happens after that? (falling action)
- How does it end? (resolution)

CCSS reading literature: CCSS 3: character development; 1: read closely, analyze, infer with evidence

CHARACTERS

- > Who are the main characters?
- > What are their traits or characteristics?
 - How does the writer communicate those traits?
 - ? include dialogue to help my readers understand the characters?
 - ? use actions they take to help readers understand their traits—and the theme?
 - ? tell the character's thoughts and feelings?
- > How do they feel about each other? (relationships)
 - How do readers learn that?
- > How does a main character change?
 - What causes that change?

CCSS reading literature 1: read closely, analyze, infer with evidence

SETTING

- > Where and when does it take place? (setting)
 - How do readers "see" that place?
 - How do readers know what that time is?
 - How does the setting create a mood or atmosphere?

CCSS reading literature 3: plot; 5: structure

PROBLEM OR CONFLICT

> What **problem** or **conflict** do the characters face? How do they **solve** it or **resolve** it?

CCSS reading literature 6: point of view

POINT OF VIEW

- > Who narrates?
 - A character from the story (first person)
 - A narrator who is just telling the events but not explaining the story (third person)
 - A narrator who is not part of the story but who tells us what the characters are thinking (third person omniscient)

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Plan Your Report Good writing is clear thinking! CCSSR4—organize clear communication--Produce clear and coherent writing in which the development,

organization, and style are appropriate to task, purpose, and audience.

/hat is your main ide	ea? 				
ow will you start you	ur report?				
	Plan the parts. L	ist or draw	what you will te	ell.	
ow will you end you	r report?				

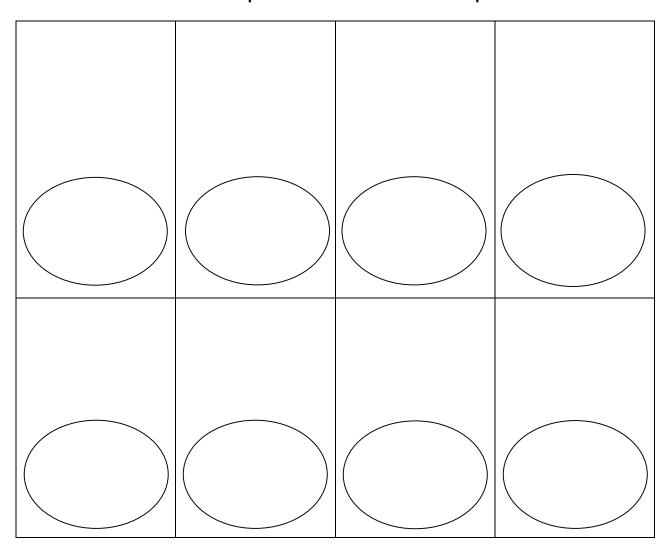


Book-Maker: Write and Illustrate a Book

CCSS Writing Standard 7. Conduct short as well as more sustained research projects based on focused questions, demonstrating understanding of the subject under investigation.

Figure out what you will include. Note what's important, one important part to each box. Each box stands for one page in your book. Note just one important point you will make on each box.

What's Important to Know about this Topic



Add pictures, diagrams, examples. Figure out what would make your point clear. Make a note in the circle in each box.

Guide and	Assess to Exp	and Learning P	rogress		
CCSS Anch complex ide		tion clearly and ad		e/explanatory texts to e y through the effective s	
ТОРІС:					
	Sketch o	or note what you	ı will te	ll in 6 a six-part displa you will include them	