RESPONSE TO INTERVENTION AND THE ADOLESCENT READER: RESPONSIVE READING PRACTICES AND STRATEGIES

Word Study, Fluency, Vocabulary, Comprehension, Writing – to - Learn and Motivation Anita L. Archer, PHD Author, Consultant, and Teacher archerteach@aol.com

Archer, A., & Hughes, C. (2011). Explicit Instruction: Effective and Efficient Teaching. NY: Guilford Publications.

www.explicitinstruction.org

Pronunciation of Words – Why?

WORD STUDY

Decoding is necessary for comprehension.

- Word recognition is a necessary, though not sufficient, skill to allow comprehension.
- "There is NO comprehension strategy powerful enough to compensate for the fact that you can't read the words." (Archer, 2006)

Pronunciation of Words – Why?

Struggling readers often have difficulty reading multisyllabic words.

- Poorly developed word recognition skills are the most pervasive and debilitating source of reading challenges. This is evident in students with dyslexia. (Adams, 1990, Perfett, 1985; Share & Stanovich, 1995)
- Poor decoders, even those who can decode single syllable words, have a difficult time with multisyllabic words. (Just & Carpenter, 1987)

Pronunciation of Words – Why?

Struggling older readers have specific challenges when reading long words.

- Poor readers, including students with dyslexia, attempt to process long words letter by letter rather than part by part. (Bhattacharya, 2006)
- Poor readers are more likely to mispronounce affixes and vowels and to omit syllables. (Shefelbline & Calhoun, 1991)

Pronunciation of Words – Why?

The number of multisyllabic words significantly increases in the intermediate grades.

- From fifth grade on, average students encounter approximately 10,000 words a year that they have never previously encountered in print. (Nagy & Andersen, 1984)
- Most of these new words are longer words having two or more syllables. (Cunningham, 1998)

Pronunciation of Words - Why?

- Directions: Assume you cannot read multisyllabic words. Read the following passage, deleting the underlined, multisyllabic words. How much would you gain from reading this social studies passage?
- "When <u>explorers</u> from <u>Portugal</u> arrived in <u>Brazil</u> in 1500, as many as 5 million <u>Native Americans</u> lived there. During the 1500s, the Portuguese established large sugar cane plantations in northeastern Brazil. At first they <u>enslaved Native Americans</u> to work on the <u>plantations</u>. Soon, however, many <u>Native Americans</u> died of <u>disease</u>. The <u>plantation</u> <u>wheres</u> then turned to <u>Africa</u> for <u>labor</u>. <u>Eventually, Brazil</u> brought over more <u>enslaved Africans</u> than any other North or South <u>American country</u>."

(From World Cultures and Geography (2005), published by McDougal-Littell)

Pronunciation of Words – How

Three Approaches

1. Segmenting

Teacher reads the word. Students repeat the word. Teacher and students say the word by parts. Students repeat the word.

2. Looping

Teacher segments the written word in parts. Teacher loops under the parts. Students read each part.

3. Using a Strategy

REWARDS Strategy

Overt Strategy

- 1. Circle the prefixes.
- 2. Circle the suffixes
- 3. Underline the vowels.
- 4. Say the parts of the word.
- Say the whole word.
 Make it a real word.

reconstruction instruction

unconventionality

(REWARDS Intermediate published by Voyager/Sopris Learning)

FLUENCY

Accuracy, Appropriate Rate, and Expression

Fluency - Why?

Fluency is related to reading comprehension.

- Both empirical and clinical research support the relationship between fluent oral reading and overall reading ability including comprehension.
 (Curningham & Stanovich, 1985; Fuchs, Fuchs, & Maxwell, 1985; Gough, Hoover, & Peterson, 1996; Herman, 1985; Jankins, Fuchs, Espin, Yand den Broek, & Dono, 2000)
- When students read fluently, decoding requires less attention. Attention can be given to comprehension. (Samuels, Schermer, & Reinking, 1992)

2005 Hasbrouck & Tindal Oral Reading Fluency Data

reading t		4. The resu	its of their	study are	sive study of oral published in the feasurement."	Grade	Percentile	Fal WCP
					'Oral Reading		90	128
					April 2006 issue		75	99
ot the N	leading Teach	er (www.re	ading.org/j	onpucatious	s/journals/RT/).	3	50	71
	e below shows						25	44
grades 1	I through 8 as	determines	d by Hasbi	ouck and "	Tindal's data.		10	21
You can	use the inform	ation in th	is table to	draw concl	lusions and make		90	145
					nts. Students who		75	119
					using the average	4	50	94
					I materials need a use the table to set		25	68
	-term fluency of						10	45
					90	16		
Average weekly improvement is the average words per week growth rou can expect from a student. It was calculated by subtracting the fail					75	139		
you can expect from a student. It was carculated by subtracting the fail score from the spring score and dividing the difference by 32, the typical					5	50	110	
number	of weeks betw	een the fal	l and sprin	g assessm	ents. For grade 1,		25	85
					improvement was		10	61
					ing score and eks between the		90	17
	nd spring asse		typical nur	iber of we	eks between the		75	153
	, ., .,					6	50	12
Canada	Percentile	Fall	Winter	Spring	Avg. Weekly		25	98
orade	rercentile	WCPM*	WCPM*	WCPM*	Improvement**		10	68
	90		81	111	1.9		90	180
	75		47	82	2.2		75	156
1	50		23	53	1.9	7	50	128
	25		12	28	1.0		25	103
	10		6	15	0.6		10	79

 106
 125
 142

 79
 100
 117

 51
 72
 89

 25
 42
 61

75 50 25

2

ve study of oral iblished in the asurement."	Grade	Percentile	Fall WCPM*	Winter WCPM*	Spring WCPM*	Avg. Weekly Improvement**
Iral Reading		90	128	146	162	1.1
pril 2006 issue		75	99	120	137	1.2
ournals/RT/).	3	50	71	92	107	1.1
students in		25	44	62	78	1.1
idal's data.		10	21	36	48	0.8
ions and make		90	145	166	180	1.1
. Students who		75	119	139	152	1.0
ing the average	4	50	94	112	123	0.9
naterials need a		25	68	87	98	0.9
e ne table to set		10	45	61	72	0.8
r week growth		90	166	182	194	0.9
r week growth tracting the fall		75	139	156	168	0.9
v 32, the typical	5	50	110	127	139	0.9
nts. For grade 1,		25	85	99	109	0.8
provement was		10	61	74	83	0.7
g score and s between the		90	177	195	204	0.8
s between the		75	153	167	177	0.8
	6	50	127	140	150	0.7
Avg. Weekly		25	98	111	122	0.8
mprovement**		10	68	82	93	0.8
1.9		90	180	192	202	0.7
2.2		75	156	165	177	0.7
1.9	7	50	128	136	150	0.7
1.0		25	102	109	123	0.7
0.6		10	79	88	98	0.6
1.1		90	185	199	199	0.4
1.2		75	161	173	177	0.5
1.2	8	50	133	146	151	0.6
1.1		25	106	115	124	0.6
0.6		10	77	84	97	0.6

Fluency - Why?

An accurate, fluent reader will read more.

 As more material is read, decoding skills, fluency, vocabulary, background knowledge, and comprehension skills increase. (Cunningham & Stanovich, 1998; Stanovich, 1993)

The rich get richer. The poor get poorer. (Stanovich, 1986)

 It has been suggested that voracious reading can alter measured intelligence. (Curningham & Stanovich, 1998)

Variation in Amount of Reading

Percentile Rank	Minutes per day reading in books	Minutes per day reading in text	Words per year in books	Words per year in text
98	65.0	67.3	4,358,000	4,733,000
90	21.2	33.4	1,823,000	2,357,000
80	14.2	24.6	1,146,000	1,597,000
70	9.6	16.9	622,000	1,168,000
60	6.5	13.1	432,000	722,000
50	4.6	9.21	282,000	601,000
40	3.2	6.2	200,000	421,000
30	1.8	4.3	106,000	251,000
20	0.7	2.4	21,000	134,000
10	0.1	1.0	8,000	51,000
2	0	0	0	8,000

Fluency - Why?

Other reasons for increasing fluency

- · Fluent readers complete assignments with more ease.
 - Fluent readers can spend more time remembering, reviewing, and comprehending text.
- · Fluent readers will also perform better on reading tests.

Fluency - Why?

Other reasons for increasing fluency

 Fluent readers can change reading rate based on reading purpose.

Purpose	Reading Rate	
Study	Slow and reflective	
Pleasure - Novel	Steady & Fluent	
Search for information	Rapid	

Fluency - What?

- "Fluency is the ability to read text **quickly**, **accurately**, and with proper **expression**" (National Reading Panel)
- The ability to read connected text accurately with appropriate rate and expression (prosody). (Judson, Mercer, & Lane, 2000)

Fluency - What?

 "The ability to read connected text rapidly, smoothly, effortlessly, and automatically with little conscious attention to the mechanics of reading such as decoding." (Meyer & Felton, 1999)

Factors Effecting Fluency

1. Proportion of words in text that are recognized as "sight words".

Sight words include any word that readers have practiced reading sufficiently often to be read from memory." (Ehri, 2002)

- Speed of decoding strategies used to determine the pronunciation of unknown words.
- Speed with which word meanings are identified.
- 4. Background knowledge of reader.
- 5. Speed at which overall meaning is constructed.

Fluency - How?

Procedure # 1. Word Recognition Instruction

- If students read slowly and inaccurately, couple instruction on fluency with advanced decoding
- · REWARDS Multisyllabic Word Reading Strategies (Sopris)
- SIPPS (Developmental Studies Center)
- Corrective Reading (SRA)
- Language! (Voyager)

Fluency - How?

Procedure #2: Prepare students for reading a passage.

- · Preteach the pronuciation of words.
- · Preteach the meaning of words.
- · Preteach necessary background knowledge.
- · Preview the text with students.

Fluency - How?

Fluency is a product of:

PRACTICE PRACTICE PRACTICE PRACTICE

and MORE PRACTICE

Fluency - How?

 Procedure #3. Utilize passage reading procedures in class that optimize the amount of reading practice.

Example Procedures:

- Augmented silent reading
- Choral reading
- Cloze reading
- · Partner Reading

Fluency - Passage Reading Procedures

Augmented Silent Reading (Whisper Reading)

- Pose pre-reading question
- Tell students to read a certain amount and to reread material if they finish early
- · Monitor students' reading
- · Have individuals whisper-read to you
- · Pose post- reading question

Fluency - Passage Reading Procedures

Choral Reading

- · Read selection with students
- · Read at a moderate rate
- · Tell students "Keep your voice with mine"
- Possible Uses: Chorally read wording on slide, directions, steps in strategy, initial part of story/chapter

Fluency - Passage Reading Procedures

Cloze Reading

- Read selection
- · Pause and delete "meaningful" words
- · Have students read the deleted words
- Possible Uses: When you want to read something quickly and have everyone attending

Fluency - Passage Reading Procedures

Individual Turns

- · Use with small groups
- · Call on individual student in random order
- · Vary amount of material read

If used with large group,

- · Assign paragraphs for preview and practice OR
- · Utilize the me or we strategy

Fluency - Passage Reading Procedures

Partner Reading

- Assign each student a partner
- Reader whisper reads to partner
 - Narrative Partners alternate by page or time
 - Informational text Partners alternate by paragraph

Read - Stop - Respond

Respond by: Highlight critical details, take notes, retell content, or answer partner's questions

Fluency - Passage Reading Procedures

Partner Reading

Coach corrects errors

- Ask Can you figure out this word?
- Tell This word is _____. What word? Reread the sentence.

Fluency - Passage Reading Procedures

Partner Reading - Scaffolding lowest readers

- Highest reader in partnership is given the #1 and lower reader is given the #2. Partner #1 reads material. Partner #2 rereads the same material
- Lowest reader placed on triad and reads with another student
- · Partners allowed to say "me" or "we"

Fluency - How?

· Procedure #4. Repeated Reading

 Student reads the same material at the independent or instructional level a number of times (at three to four times).

· General procedure

- Cold-timing (one minute timing without prior practice)
 Practice rereading of material to increase fluency
- Practice rereading of material to increase flu
 Hot-timing (one minute timing)
- Often coupled with the following interventions:
 - Modeling done by teacher or listening to tape
 Self-monitoring of progress through graphing

Fluency - How?

Procedure #5 - Wide Reading Reading different types of text.

- Text at independent or instructional level
- Short articles
- Short stories
- Novels
- Read with partners.

VOCABULARY

Explicit Vocabulary Instruction Word Learning Strategies

Explicit Instruction of Vocabulary - Why

Vocabulary is related to reading comprehension.

"Indeed, one of the **most enduring findings** in reading research is the extent to which students 'vocabulary knowledge relates to their reading comprehension."

(Osborn & Hiebert, 2004)

Explicit Instruction of Vocabulary - Why

- "direct vocabulary instruction has an impressive track record of improving students' background knowledge and comprehension of academic content." Marzano, 2001, p. 69
- .97 effect size for direct teaching of vocabulary related to content (Stahl & Fairbanks, 1986)

Explicit Instruction of Vocabulary Selection of Vocabulary

- · Limit number of words given in depth instruction to 4 to 5 words. (Robb, 2003)
- Select words that are unknown.
- · Select words that are critical to passage understanding.

Explicit Instruction of Vocabulary Selection of Vocabulary

•Select words that students are likely to use in the future. (Stahl, 1986)

·General academic vocabulary - Words used in many domains. (suitcase words)

Examples: contrast, analyze, observe, evidence

Explicit Instruction of Vocabulary Selection of Vocabulary

· Domain-specific vocabulary that provides background knowledge

Examples: tariff, acute angle, foreshadowing

When possible, teach clusters of words that are meaningfully related.

Math: angles, acute, right, obtuse, straight angle Science: matter, mass, weight, volume, density Social Studies: colony, ethnic group, migration, settlement, settler

society,

Explicit Instruction of Vocabulary Selection of Vocabulary

- · Select difficult words that need interpretation.
 - Words not defined within the text
 - Words with abstract referent
 - · Words with an unknown concept

Explicit Instruction of Vocabulary Selection of Vocabulary - Summary

- Select a limited number of words.
- *Select words that are unknown.
- *Select words critical to passage understanding.
- *Select words that can be used in the future.
- *Select difficult words that need interpretation.

Explicit Instruction of Vocabulary Selection - Vocabulary

Text: American Journey Chapter 11, Section 1						
Publisher: Glencoe Jacksonian Democracy						
favorite son	majority	plurality	mudslinging			
landslide	nominating convention	tariff	suffrage			
nullify	secede					

Explicit Instruction of Vocabulary Selection - Vocabulary

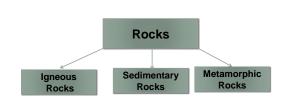
Text: My World		Chapter 4, Section 3		
Publisher: Pearson		Central America and the		
		Caribbean Too	lay	
* carnival * Santeria		* diaspora	*microcredit	
* ecotourism	indigenous	democracy	parliamentary system	
dictatorship free-trade agreements				

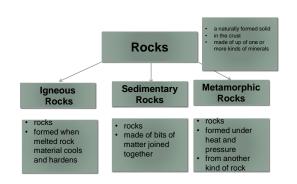
Explicit Instruction of Vocabulary Organize words for Instruction

- Order words in list to stress relationships between words.
- Group words into semantic clusters to create a scheme. (Marzano & Marzano, 1988; Wixson, 1986)

Explicit Instruction of Vocabulary Organize Words for Instruction

Rocks					
rock	sediment	pollution			
igneous rocks	sedimentary rocks	rock cycle			
magma	fossil	classify			
lava	humus	metamorphic rocks			





Explicit Instruction of Vocabulary Student-Friendly Explanation

Dictionary Definition

protect -

to defend or guard from attack, invasion, loss, annoyance, insult, etc.; cover or shield from injury or danger

- Student-Friendly Explanation
 - Uses known words.
 - · Is easy to understand.

To **protect** someone or something means to prevent them from being harmed or damaged.

On-line Dictionaries with Student-friendly Explanations

Collins Cobuild Dictionary of American English http://www.collinslanguage.com/free-online-cobuild-ESL-dictionary dictionary.reverso.net/english/cobuild

Longman's http://www.ldoceonline.com (Longman's Dictionary of Contemporary English Online)

Heinle's http://www.nhd.heinle17e.com/home.aspx (Heinle's Newbury Dictionary for American English)

Merriam Webster's http://www.learnersdictionary.com

(Pronunciation assistance: www.howjsay.com)

Vocabulary Instructional Routine

Step 1: Introduce the word.

Step 2: Introduce the word's meaning.

Step 3: Illustrate the word with examples. (and non-examples when helpful)

Step 4: Check students' understanding.

Explicit Instruction of Vocabulary Secondary Example

Step 1. Introduce the word.

- a) Show the word on the screen.
- Read the word and have the students repeat the word.
 If the word is difficult to pronounce or unfamiliar have the students repeat the word a number of times or say the parts of the word as they tap.

This word is suffrage. What word? suffrage Tap and say the parts of the word. suf frage Read the word by parts. suf frage What word? suffrage Suffrage is a noun.

Explicit Instruction of Vocabulary

Step 2. Introduce meaning of word.

Have students locate the definition in the glossary or text and break the definition into the critical attributes. OR Present the definition using critical attributes.

Glossary: Suffrage - the right to vote

suffrage - the right - to vote

Explicit Instruction of Vocabulary

Step 3. Illustrate the word with examples.

- a. Concrete examples
 - objects
- acting out
- a. Visual examples
- b. Verbal examples

Explicit Instruction of Vocabulary

Suffrage Examples

When the United States was founded only white men with property had <u>suffrage.</u>

At the time of the American Civil War, most white men had been granted <u>suffrage.</u>

Explicit Instruction of Vocabulary

Suffrage Examples

In 1920, women were granted <u>suffrage</u>. The passage of the Nineteenth Amendment granted women the right to vote in all United States elections.



Explicit Instruction of Vocabulary

Suffrage Examples

The Voting Rights Act of 1965 outlawed discriminatory voting practices that denied **suffrage** to many African Americans in the United States.



Explicit Instruction of Vocabulary

Step 4. Check students' understanding. Option #1. Ask deep processing questions.

Check students' understanding with me

Why is suffrage a critical aspect of a democracy?

Begin by saying or writing:

Suffrage is a critical aspect of democracy for the following reasons. First, _____

Explicit Instruction of Vocabulary

Step 4. Check students' understanding. Option #2. Have students discern between examples and non-examples.

Check students' understanding with me.

Tell me suffrage or not suffrage.

The right to run for elected office. **not suffrage** Why not? The right to vote. **suffrage** Why? The right to develop ads for a candidate. **not suffrage** Why not?

Explicit Instruction of Vocabulary

Step 4. Check students' understanding. Option #3. Have students generate their own examples.

Check students' understanding with me.

Make a list of ways that **suffrage** could be limited or compromised.

Explicit Instruction of Vocabulary



suffrage suffragist

In 1917, all women in the United States did not have suffrage, the right to vote. Suffragists in New York City collected more than a million signatures of women demanding voting rights. They then paraded down Firth Avenue with the signature placards.

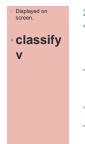
noun

noun

Practice 1

Displayed on screen.	1. Introduce the word.
 classify v 	This word is classify. What word? <i>classify</i>
	Tap and say the syllables. <i>class i fy</i>
	Again. <i>class i fy</i>
	What word? classify
	Classify is a verb, an action word.

Practice 1



2. Introduce the word's meaning.

Present a student-friendly explanation.

- To classify things means to divide them into groups or types so that things with similar characteristics are in the same group.
- When you divide things into groups or types, you _____. *classify*
- Items in the group have similar characteristics.

Practice 1

 Displayed on screen. Classify V 	2. Introduce the word's meaning.
• synonyms • categorize • group • sort • order	 Echo read the synonyms for classify. categorize categorize group group sort sort order order

Step 1: Illustrate the word with examples. (and non-examples when helpful)

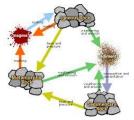


 You could classify vehicles into these three groups: vehicles that travel by land, vehicles that travel by air, vehicles that travel by sea.

Ones, tell your partner a vehicle in each group. (Pause) Twos, tell your partner a vehicle in each group.

Step 1: Illustrate the word with examples.

(and non-examples when helpful)



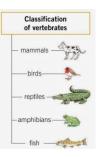
 We can classify rocks as igneous rock, sedimentary rock, and metamorphic rock. (Point to each type of rock.)

Practice 1

· Step 4: Check students' understanding.

- We can classify animals with backbones (vertebrates) into groups. For example, one group would be birds.
- With your partner, list other groups with similar characteristics that could be used to classify animals. (Circulate and monitor. Record and share the students' ideas.)

Practice 1 Word Family



loru Farmiy

- classify
 classifying
 classified
- classification

In science, we classify things into groups based on similar characteristics. When classifying vertebrates, similar body traits are used. Vertebrates can be classified into these groups: mammals, birds, reptiles, amphibians, and fish. Classification is an important part of science studies.

Practice 1

(Displayed on screen.)

- classify
 classifying
- classifying
 classified
- classification

In science, we classify things into groups based on similar characteristics. When classifying vertebrates, similar body traits are used. Vertebrates can be classified into these groups: mammals, birds, reptiles, amphibians, and fish. Classification is an important part of science studies.

(Teacher instruction.)

- These words are in the "classify" word family. Echo read the words.
- classify classify
- · classifying classifying
- classified classified
- classification classification
- I will read this paragraph. When I stop, say the next word.

Practice 2

(Displayed on the screen.) **fossil n** - any remains or imprint - of living things - of the past

1. Introduce the word.

- This word is fossil. What word? fossil
- · Fossil is a noun, a thing.
- Write the word fossil in you science journal.
- (Circulate and monitor.)

Practice 2

(Displayed on the screen.)
fossil n

- any remains or imprint
- of living things
- of the past

2. Introduce the word's meaning .

- Let's read the parts of the definition.
- any remains or imprint
- of living things
- of the past
- When we have the remains of an ancient living thing, we have a ______. fossil
- List the parts of the definition in your science journal. (Circulate and Monitor)

Practice 2 3. Illustrate with examples and non-examples.

This is a **fossil**. The image of an ancient fish is imprinted on this material.



Practice 2

3. Illustrate with examples and non-examples

This is not a **fossil.** This fish is living, not dead. There are no remains of a fish from the past.



Practice 2

3. Illustrate with examples and non-examples.

This is a fossil. The remains (skeleton) of this ancient dinosaur is a **fossil**.



Practice 2 3. Illustrate with examples and non-examples.

This shell is a **fossil.** The image of a shell from the past is imprinted in this material. This shell was once part of a living animal.



Practice 2 3. Illustrate with examples and non-examples.

This ancient sword is NOT a fossil. The sword is not a living thing.



Practice 2

4. Check students' understanding. Agree/Disagree/Why

This leaf is a fossil.



Practice 2

4. Check students' understanding. Agree/Disagree/Why

This leaf is a fossil.



Practice 2

4. Check students' understanding. Agree/Disagree/Why This is a fossil.



Practice 2

- 4. Check students' understanding.
- Draw a picture of a **fossil** in your science journal.

Word-Learning Strategies

- Use of context clues.
- · Use of meaningful parts of the word
 - Prefixes
- Suffixes
 Roots
- * 10015
- Word families
- · Use of dictionary, glossary, or other resource

Word-Learning Strategies-Use of context clues

- Teach students to use context clues to determine the meaning of unknown vocabulary. (Baumann, Edwards, Boland, Olejnik, & Glopper, 1998; Gipe & Amold, 1979; Kame'enui, 2003;)
- If a student reads 100 unfamiliar words in print, he/she will only learn between 5 to 15 words. Thus, we can not depend on learning words from context as the sole method for vocabulary attainment.

(Nagy, Hermann, & Anderson, 1985; Swanborn & de Glopper, 1999)

Word Learning Strategies-Use of context clues

Context Clues

- 1.Read the sentence in which the unknown word occurs.
- Look for clues as to the word's meaning.
- $2.\ensuremath{\mathsf{Read}}$ the surrounding sentences for clues as to the word's meaning.
- $\ensuremath{\texttt{3.Look}}$ at the parts of the word (prefixes, roots, suffixes) .
- 4.Ask yourself, "What might the word mean?"
- 5.Try the possible meaning in the sentence.
- 6.Ask yourself, "Does it make sense?"

The Most Common Prefixes in English

Prefix	Meaning	% of prefixed words	Examples
Prelix	Meaning	% of prelixed words	Examples
un	not; opposite	26%	uncover, unlock, unsafe
re	again; back	14%	rewrite, reread, return
in/im/ir/il	not; into	11%	incorrect, insert, inexpensive, illegal, irregular, inability
dis	away, apart, negative	7%	discover, discontent, distrust
en/em	cause to	4%	enjoy, endure, enlighten, entail
mis	wrong; bad	3%	mistake, misread, misspell, misbehave
pre	before	3%	prevent, pretest, preplan
pro	in favor of	1%	protect, profess, provide, process
а	not; in, on, without	1%	atypical, anemia, anonymous, apolitical, apathy

Most Common Suffixes in English

Suffix	Meaning	%of prefixed words	Examples
s, es plural	more than one	31%	movies, wishes, hats, amendments
ed past tense	in the past	20%	walked, jumped, helped
ing present tense	In the present	14%	walking, jumping, helping
ly adverb	how something is	7%	quickly, fearfully, easily, happily, majestically, nonchalantly
er,or noun	one who, what/that/which	4%	teacher, tailor, conductor, boxer, baker, survivor, orator
ion, tion, sion noun	state, quality; act	4%	action, erosion, vision, invitation, conclusion, condemnation
able, ible adjective	able to be, can be done	2%	comfortable, likable, enjoyable, solvable, sensible, incredible
al, ial adjective	related to, like	1%	fatal, cordial, structural, territorial, categorical

Common Latin and Greek Roots

aqua	water	Greek	aquarium, aqueduct, aquaculture, aquamarine, aquaplane, aquatic	
aud	hearing	Latin	audio, audition, audiovisual, auditorium, audiotape, inaudible	
auto	self	Greek	autograph, autobiography, automobile, autocrat, autonomy	
astro	star	Greek	astronomy, astrophysics, astrology, astronaut, astronomer, asterisk	
biblio	book	Greek	Bible, bibliography, bibliophobia, bibliophile, biblioklept	
bio	life	Greek	biography, biology,autobiography, bionic, biotic, antibiotic, biome, bioshere, biometrics	
chrono	time	Greek	synchronize, chronology,chronic, chronicle, anachronism	
corp	body	Latin	corpse, corporation, corps, incorporate, corporeal, corpulence	
demo	the people	Greek	democracy, demography,epidemic, demotic, endemic, pandemic	
dic, dict	speak, tell	Latin	dictate, dictation, diction, dictator, verdict, predict, contradict, benediction, jurisdiction, predict, indict, edict	
dorm	sleep	Latin	dormant, dormitory, dormer, dormouse, dormition, dormitive	
geo	earth	Greek	geology, geologist, geometry, geography, geographer, geopolitical, geothermal, geocentric	

Common Latin and Greek Roots

graph	to write, to draw	Greek	autograph, biography, photograph, telegraph, lithograph
hydro	water	Greek	hydroplane, dehydrate, hydroelectric, hydrogen, hydrophone
ject	throw	Latin	reject, deject, project, inject, injection, projection
logos, logy	study	Greek	geology, astrology, biology, numerology, zoology, technology, psychology, anthropology, mythology
luna	moon	Latin	lunar, lunacy, lunatic, interlunar
meter	measure	Greek	meter, thermometer, diameter, geometry, optometry, barometer, centimeter, symmetry, voltammeter
mega	great, large, big	Greek	megaphone, megalith, megalomania, megatons, megalopolis
min	small, little	Latin	minimal, minimize, minimum, mini, miniature, minuscule, minute, minority
mit, mis	send	Latin	mission, transmit, transmission, remit, missile, submission, permit, emit, emissary
path	feeling, suffering	Greek	pathetic, pathology, apathy, antipathy, sympathy, telepathy, empathy, sociopath
ped	foot	Latin	pedestrian, pedal, peddle, peddler, pedicure, pedometer
philia	love, friendship	Greek	philosopher, Philadelphia, philanthropist, philharmonic, Philip

Common Latin and Greek Roots

phono	sound	Greek	phonograph, microphone, symphony, telephone, phonogram, megaphone, phony, euphony, xylophone, phony,
photo	light	Greek	photograph, photosynthesis, telephoto, photometer, photophilia
port	carry	Latin	port, transport, transportation, portable, portage, report
spect	see	Latin	respect, inspection, inspector, spectator, spectacles, prospect
scope	look at	Greek	microscope, telescope, periscope, kaleidoscope, episcopal
sol	sun	Latin	solar, solar system, solstice, solarium, parasol
struct	build, form	Latin	instruct, instruction, construction, reconstruction, destruct, destruction, infrastructure, construe, instrument, instrumental
tele	distant	Greek	telephone, television, telegraph, telephoto, telescope, telepathy, telethon, telegenic
terra	land	Latin	territory, terrestrial, terrace, terrarium, extraterrestrial, Mediterranean Sea, terra cotta, subterranean

Word Learning Strategies-Word Families

A group of words related in meaning. (Nagy & Anderson, 1984)
 If you know the meaning of one family member, you can infer the meaning of related words.

educate educated education educator

nmunicating

nusiasm

nperial nperialism nperialistic

ollecting

edictable redictability inpredictable

evaluating evaluation

Word Learning Strategies -Use of glossary/dictionary

Glossary/Dictionary

- 1. Locate the unknown word in the glossary or the dictionary.
- 2. Read each definition and select the best one.
- 3. Try the possible meaning in the sentence.
- 4. Ask yourself, "Does it make sense?"

COMPREHENSION

Background Knowledge Previewing **Comprehension Strategies**

Increased Emphasis on Informational Text Reading

Distribution of Literary and Informational Passages by Grade in the 2009 NAEP Reading Framework

٠	Grade 4	Literary 50%	Informational 50%
۰	Grade 8	Literary 45%	Informational 55%

Grade 12 Literary 30% Informational 70%

Source: National Assessment Governing Board. (2008). Reading framework for the 2009 National Assessment of Educational Progress. Washington, DC: U.S. Government Printing Office.

Preview -Comprehension

·Frontload background knowledge

·Preview the text

•Teach and promote use of effective comprehension strategies

Frontload Background Knowledge - Why

"Students who lack sufficient background knowledge or are unable to activate it may struggle to access, participate, and progress through the **general curriculum**." Strangman, Hall, & Meyer, 2004

Frontload Background Knowledge - Why

Read this paragraph and explain it to your partner.

From a neuroanatomy text (found in ${\it Background\ Knowledge}$ by Fisher and Frey)

Improved vascular definition in radiographs of the arterial phase or of the venous phase can be procured by a process of subtraction whereby positive and negative images of the overlying skull are imposed on one another.

Frontload Background Knowledge - Why

BIG IDEA

Even a thin slice of background knowledge is useful.

Frontload Background Knowledge - How

Preparation

- 1. What is critical?
- 2. What information would ease acquisition of new knowledge?
- 3. What information would reduce cognitive overload?

Frontload Background Knowledge - How

Anchor Instruction in:

- Supplementary informational Text
- Power-point
- Visuals
- Video

CHAPTER 11 THE JACKSON ERA 1824-1845

Section 1 Jacksonian Democracy

Essential Question

How did **political beliefs** and **events** shape Andrew Jackson's Presidency?

Andrew Jackson Background Knowledge

President

- 7th President
- 1829 1837

Early Life

- Parents emigrated from Ireland
- Father died before his birth
- Mother died when he was 14
- Two brothers also died



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Andrew Jackson Background Knowledge

Career - Military

- At 13 joined Continental Army
- · Major General of Tennessee Militia
- Lead campaign against Creek Indians in Georgia
- In 1815 lead military victory over British at the Battle of New Orleans



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Andrew Jackson Background Knowledge

Career - Politician

- Lawyer
- US Representative
- US Senator
- Circuit Judge
- President



Andrew Jackson

Background Knowledge

Personal Life

- Married Rachel Jackson
- Two adopted children
 Owned large cotton plantation with 150 slaves
- Killed man in pistol duel



Andrew Jackson

Background Knowledge

 Andrew Jackson's likeness is found on every 20.00 bill



 The 20.00 bill is ofte referred to as a Jackson



Preview the Text - Why

As the student previews, he/she discovers:

- · the topics to be covered,
- the information that will be emphasized,
- how the material is organized.
- In addition, background knowledge is activated.

Preview the Text - How

- Guide students in previewing the chapter and formulating a topical outline using the text structure: title, introduction, headings, subheadings, questions.
- Has students preview the selection independently, with his/her partner, or team members.



Comprehension Strategies

- Ask appropriate questions during passage reading.
- · Have students generate questions.
- Teach text structure strategies that can be applied to passage reading.

Comprehension - Informational Text

- Read (a paragraph or a number of related paragraphs)
- Stop
- Respond
 - · answer teacher questions
 - · generate questions/answer questions
 - verbally retell content
 - Paragraph Shrinking
 - mark text /notes in margin
 - · take notes (two column notes, foldables)
 - map/web content

Comprehension - Informational Text Teacher Asks Questions

Curriculum Questions

- · Ask questions provided in the curriculum material.
- · Adapt or supplement curriculum questions.

The Teacher-Generated Questions

- · Divide the material into appropriate segments.
- Develop questions on the content, focusing on the most important understanding, reflecting your essential question and/or reading purpose.

Comprehension - Informational Text Teacher Asks Questions

Grades 6 - 12

Key Ideas and Details Cite textual evidence for what is stated explicitly for inferences Determine central idea objectively summarize text analyze development of central idea Analyze key individuals, events, ideas interactions between individuals, events, ideas

Comprehension - Informational Text Teacher Asks Questions

Grades 6 - 12 Craft and Structure

Determine meaning of words and phrases Analyze choice of words on meaning and mood Analyze structure of sentence, paragraph, chapter Analyze and evaluate development of ideas or claims Determine and analyze point of view

Comprehension - Informational Text Teacher Asks Questions

Grades 6 - 12

Integration of Knowledge and Ideas

Analyze topics through different sources determine emphasized details integrate information from different sources to answer a question Delineate and evaluate argument and claims in text assess validity of reasoning assess sufficiency of evidence identify false statements Analyze significance of historical documents

Comprehension - Informational Text Teacher Asks Questions

Guidelines:

- Purpose: Keep the reading purpose in mind as you select, adapt, or write questions.
- 2. Text Dependent Questions: Ask questions that focus on information (evidence) provided in the text.
- 3. All Respond: Everyone thinks. Everyone writes. Everyone shares with his/her partner.

Text-Dependent Questions

Ask questions that focus on information (evidence) provided in the text.

Students must answer the questions based on passage information NOT on previous experience or personal ideas.

Keep students cognitively in the text... don't draw them out of the text.

Comprehension - Informational Text Teacher Asks Questions

Guidelines continued:

- Think Time: Provide an adequate amount of thinking time. For higher order questions, provide up to 6 seconds.
 - Results: More detailed, logical answers More evidence Greater participation Number of questions asked increases

Comprehension - Informational Text Teacher Asks Questions

Guidelines continued:

5. Scaffold as needed:

- Ask **foundation questions** before higher order questions

- Support answers with sentence starters
- Use optimum active participation strategies

Scaffolding - Sentence Frames

Scaffolding Answers with Sentence Starters

Why were Adams and Clay accused of making a "corrupt bargain" (stealing the election)?

Begin by saying or writing: Adams and Clay were accused of making a "corrupt bargain" for a number of reasons.

Scaffolding – Foundation Questions

Scaffolding Questions: Scaffolding Questions

How many political parties were there in 1824? Four men in the party ran for president. Did Andrew Jackson get a majority of votes? Which of the 4 candidates received the most votes? Who did the House of Representatives select as president? Who helped Adams to be elected as president? What position in the government was Clay given? **Big Question to be asked:** Why were Adams and Clay accused of making a "corrupt bargain" (stealing the election)?

Scaffolding – Active Participation

Procedure for asking students questions on text material.

Saying answer to partner (Partners First)

- 1. Ask a **question**
- 2. Give students thinking time or writing time
- 3. Provide a verbal or written sentence starter or paragraph frame
- 4. Have students share answers with their partners using the sentence starter
- 5. Call on a student to give answer
- 6. Engage students in a discussion

Comprehension - Informational Text Students Generate Questions

Option 1: Students generate questions based on headings and subheadings

- 1. Read the heading or subheading
- 2. Generate one or two questions
- 3. Read the section
- 4. Answer the question(s)

Classifying Rocks

Question	Answer
How do you classify rocks?	Rocks are classified by mineral composition, color, and texture.
How are rocks classified?	

How Rocks Form

Question	Answer
Igneous rocks How do igneous rocks form?	
Sedimentary rocks How do sedimentary rocks form?	
Metamorphic rocks How do metamorphic rocks form?	

How Rocks Form

Question	Answer
Igneous rocks	Igneous rocks are formed when magma or lava cools.
Sedimentary rocks	
Metamorphic rocks	

- orphaned by three
- separated from siblings
- conflict with foster family
- unable to gain approval
of foster father
- lost job
- plagued with alcoholism &
illness
- wife died of tuberculosis
- considered first modern write
- Poe's stories continue to be
read

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Comprehension - Informational Text Students Generate Questions

Option 2: Students generate study questions after reading segment

- 1. Read a paragraph or related paragraphs
- 2. Generate one or two questions
- 3. Record the questions
- 4. Answer the questions

What is energy? p. 297

Energy and Work p. 297	
What is work?	Work is done when energy is transformed (changed) or transferred (moved) to another system.

What is energy? p. 297

Energy is measured in joules. (p. 297)	
When can we observe energy?	We can only observe energy when it is transferred from one object to another.

What is energy? p. 297

Energy is measured in joules. (p. 297)	
How do we express the amount of energy?	Energy is the ability to do work. Work is expressed in joules. Energy is expressed in joules.

What is energy? p. 297

Potential Energy (p. 298)	
What is elastic potential energy?	Elastic potential energy is energy stored in a stretched elastic material.

What is energy? p. 297

Potential Energy (p. 298)	
What is gravitational potential energy?	Gravitational potential energy is the stored energy in two objects resulting from gravitational attraction between the two objects.

What is energy? p. 297

Potential Energy (p. 298)	
What determines the amount of gravitational potential energy?	The amount of gravitational potential energy depends on:
	 the mass of the objects the distance between them.

Comprehension - Informational Text Comprehension Strategies

- Teach students strategies that can be used during reading of informational text.
 - Marking the Text
 - · Adding Notes in the Margin Two Column Note-taking

 - Mapping Foldables
 - · Verbal Rehearsal
- Informational text strategies are based on the pattern found in factual paragraphs: topic and critical details.

Comprehension - Informational Text Comprehension Strategies

Marking the Text

- 1. Number the paragraphs
- Circle the topic and/or topic sentence 2.
- 3. Underline supportive details

Comprehension - Informational Text Comprehension Strategies

Notes in the Margin

Notes in the margin might include:

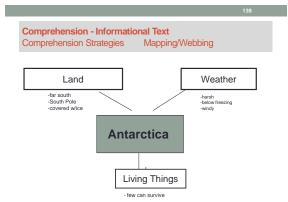
- Topic
- A summary of the critical content
- Key vocabulary terms and definitions
- A drawing to illustrate a point
- Responses to interesting information, ideas, or claims

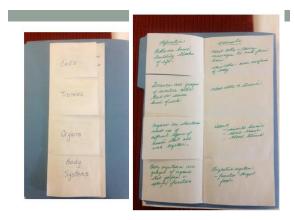
The Car Care Book, 4th Edition by Ron Haefher Marking the Taxt



Comprehension - Informational Text Two Column Notes Comprehension Strategies

Antarctica	- far south continent
	- South Pole
	- Covered with ice
Weather	- Harsh
	- Below Freezing
	- Windy
Living Things	- Few
	Antarctica, the most southern continent, has very harsh weather and is covered in ice. Few living things survive on Antarctica.





Comprehension - Informational Text Comprehension Strategies Paragraph Shrinking

Paragraph Shrinking

- 1. Name the who or what. (The main person, animal, or thing.)
- 2. Tell the most important thing about the who or what.
- 3. Say the main idea in 10 words or less.

(Optional: Record your main idea sentence.)

(From the PALS program by Fuchs, Mathes, and Fuchs)

Comprehension - Informational Text Comprehension Strategies Paragraph Shrinking

The Coldest Continent

Antarctica is not like any other continent. It is as far south as you can go on earth. The South Pole is found there. Ice covers the whole land. In some places the ice is almost three miles thick. Beneath the ice are mountains and valleys.

Comprehension - Informational Text Comprehension Strategies Paragraph Shrinking

The weather in Antarctica is harsh. It is the coldest place on Earth. The temperature does not get above freezing. It is also one of windiest places in the world

Comprehension - Informational Text Comprehension Strategies Paragraph Shrinking

Not many living things are found in Antarctica. People go there to study for only a short time. Very few animals can live there. Yet many animals live on nearby islands. Seals and penguins swim in the ocean waters. They build nests on the land. Some birds spend their summers in Antarctica. But most of the continent is just ice, snow, and cold air.

Writing - to - Learn

Summaries Compare and Contrast Explanations Arguments

Writing – to – Learn Why?

Learning

- Students learn more due to
 Rehearsal
 - Retrieval
- · Promotes critical thinking
- Helps clarify thinking

Writing – to – Learn Why?

Engagement

- Active thinking
- Active reflection
- Active participation
- · When writing precedes discussion,
 - More thoughtful participation
 - Increased diversity of student voices

Why?

Writing

- Develops writing skills
- Keeps writing skills sharp
- · Increases ability to communicate in domain

Why?

Embedded Formative Assessment

- Students can appraise their grasp of critical content and concepts
- Teachers can appraise grasp of critical content and concepts

Writing – to – Learn What

Short Writing Tasks

- Writing-to-Learn
- Develop big ideas and concepts
- Embedded within the lesson
 - Beginning
 - During
 - End
- Focus on ideas rather than correctness of style, grammar, or spelling
- Less structured than disciplinary writing

Writing - to - Learn What

The following types of products will be particularly useful in terms of writing practice, comprehension, and content learning:

Summaries Compare and Contrast Explanations Arguments

HOW – Scaffolding

Scaffolding

Students' writing can be supported using:

- Writing Strategies
- Writing Frames
- Think Sheets

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Sum it up

Step 1. LIST	(Make a list of important ideas.)
Step 2. CROSS-OUT	(Cross out any unnecessary or weak ideas.)
Step 3. CONNECT	(Connect ideas that could go in one sentence.)
Step 4. NUMBER	(Number the ideas in the order that they will appear in the paragraph.)
Step 5. WRITE	(Write the paragraph.)
Step 6. EDIT	(Revise and proofread your answer.)

· REWARDS PLUS (Sopris Learning)

Greek Theater

SUMMARIES

began as a religious ceremony

Students summarize chapter, segment of chapter, article, lecture, or unit focusing on the most critical

- honored the Greek god Dionysus

- beliefs in Dionysus began to spread southward
- 2 choruses chanted lyrics
- 3 actors joined the choruses
- the Dionysus festival in Athens became a drama competition
 - ∽- amphitheaters were built
- performed tragedies that taught lessons
- performed comedies that made fun of life
- 6 -declined when playwrights died and the government changed

The roots of modern theater can be found in early Greek theater. Greek theater began as a religious ceremony that honored the Greek god Dionysus. At first, choruses chanted lyrics. When actors were added to interact with the chorus, theater was born. Later, the Dionysus festival in Athens became a drama competition, and amphitheaters were built to accommodate the event. Both tragedies, which taught lessons, and comedies, which made fun of life, were performed. Greek theater declined when the great playwrights died and the government changed.

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Summary - Informational Text

Chapter: _____ Topic: ___

In this section of the chapter, a number of critical points were made about

First, the authors pointed out that...

This was important because ...

Next, the authors mentioned that...

Furthermore, they indicated...

This was critical because...

Finally, the authors suggested that...

Summary - Informational Text - Example

- · Chapter: Drifting Continents
- Topic: Wegener's Theory
- In this section of the chapter, a number of critical points were made about Alfred Wegener's theory of continental drift. First, the authors pointed out that Wegener's theory of continents drift. First, the authors pointed out that Wegener's theory are today fitted apart forming the continents of today. This was important because it explained why the outline of the continents as they are today fit together. Next, the authors mentioned that Wegener argued that there were many pieces of evidence supporting his theory of continental drift. Furthermore, they indicated that Wegener used evidence of similar landforms and fossils on different continents to prove his theory. This was critical because other scientists could validate this evidence. Finally, the authors suggested that despite this evidence, other scientists did not accept Wegener's theory because he could not explain the force that pushes and pulls the continent.

Why

•There are a number of reasons why writing frames are beneficial to students.

•The most important reason is...

Another reason is ...

A further reason is ...

·So you can see why...

Summary - Video

Although I already knew that ...

I learned some new facts from the video titled ...

I learned ...

I also discovered that ...

Another fact I learned was ...

However, the most important/interesting thing I became aware of was...





Compare and Contrast

... and ... are similar in a number of ways. First, they both...... Another critical similarity is ... An equally important similarity is ... Finally, they ...

The differences between ... and ... are also obvious. The most important difference is ... In addition, they are ... In the final analysis, ... differs from ... in two major ways: ...

Compare and Contrast - Example

Narrative and informative written products are similar in a number of ways. First, they both have an author intent on sharing his/her ideas. Another critical similarity is the goal of informative and narrative writing: to communicate to a reader or group of readers. An equally important similarity is that both gener utilize the words, mechanics, and grammar of the author's language. Finally, both are read on a daily basis across the world.

The differences between narrative and informative written products are also obvious. The most important difference is their purpose. Narratives convey a story, real or imagined, while informative products transmit information that the reader needs or is interested in learning. In addition, they are structured differently. The structure of a narrative is based on the elements of a story. settings, characters, the character's problems, attempts at resolving the problem, and finally its resolution. In contrast, when writing an informative product, authors organize the information into paragraphs each containing a topic and critical details. In the final analysis, narratives differ from informative text in two major ways: content and structure.

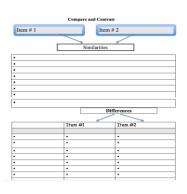
Compare and Contrast

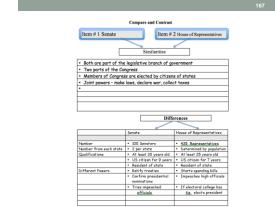
... and ... are the same in several ways . First of all, ... and ... are both Likewise, they are In the same way, they are Therefore, ... and ... have much in common.

... and ... are different in several ways. First of all, ... is/arewhile ... is/are ... Moreover, ... are/is ... while ... is/are ... Another way that they are differ is ...

Compare and Contrast

Although...and...are different..., they are alike in some interesting ways. For example, they both... They are also similar in The...is the same as... The ...resembles... Finally they both...







The Senate and the House of Representatives are similar in a number of ways. First, they are both part of the legislative branch of government referred to as Congress. Furthermore, citizens in each state must elect the senators and representatives that serve in Congress. In addition, the two bodies of Congress have a number of joint powers including the power to make laws, declare war, and collect taxes.

Contrast

While the Senate and House are similar in a number of ways, their membership composition differs. There are 100 elected senators with two senators from each state regardless of the state's population. In contrast, the House has a total of 435 representatives with the number from each state dependent on the state's population. The gualifications also differ between senators and representatives. Representative must be at least 25 years old, a US citizen for 7 or more years, and a legal resident of the state that they represent. On the other hand, a senator must be at least 30 years old, a US citizen for 9 years or more, and a legal resident of their state.

The Senate and House of Representatives, while given joint powers, are also accorded separate powers. The Senate is given the responsibility for ratifying treaties, confirming presidential nominations, and trying impeached officials. In contrast, the House of Representatives' specific powers include initiating spending and tax bills, impeaching high officials, and determining who will be president if the Electoral College ends in a tie.

EXPLANATIONS

How (boes mass affect now quicky an object fails? How does a computer work? How are mountains formed? How does a spider spin a web?) Why (Why do some things float or sink? Why is the ozone layer getting thinner? Why does iron go rusty? Why do living things need food?)

Scientific Explanations Question:

Claim

Claim a statement that answers the question 	
Evidence scientific data that supports the claim 	
Reasoning • a justification for why the evidence supports the claim using scientific principles	

Scientific Explanations Question: How was the Grand Canyon formed?

	-
Claim •a statement that answers the question	The Grand Canyon was mainly formed by water cutting into and eroding the soil.
Evidence •scientific data that supports the claim	The soil in the Grand canyon is hard, cannot absorb water, and has few plants to hold it in place. When it rains in the Grand Canyon it can rain very hard and cause flash floods. The flash floods come down the side of the Grand Canyon and into the Colorado River.
Reasoning *a justification for why the evidence supports the claim using scientific principles	Water moving can cause erosion. Erosion is the movement of materials on the earth's surface. In terms of the Grand Canyon, The water moved the soil and rock from the sides of the Grand Canyon into the Colorado River where it was then washed away. <i>McNeill</i> , 2013

Explanation - Why

There are a number of reasons why The most important reason is... Another reason is ... A further reason is ... So you can see why...

Explanation

There are differing explanations as to why (how, what, when)...

One explanation is that

The evidence for this is ...

An alternative explanation is...

The basis of this explanation is ...

Of these possible explanations, I think the most likely is \ldots

Explanation

There are differing explanations as to why...

One explanation for this is...

The evidence for this is ...

An alternative explanation is ...

The explanation is based on...

Of the alternative explanations, I think the most likely is...

Analysis of Graphic

The title of this graphic is... The type of graphic is Its purpose is to ... One critical observation that I made was... This is important because ... I reached a number of conclusions through my analysis of this graphic. First, Second, Finally, ...

Analysis of Graphic

Title of Graphic	
Type of Graphic	
Purpose	
Observations	a.
	b.
	С.
Conclusions	a.
	b.
	с.

Process

To ..., you need to follow these basic steps. First, you need to ... Next ... Then... When you finish, you should have

Problem-Solution

In this problem, we were asked to figure out.... Some information was already given including ... and ... When creating a plan to solve this problem, I decided to follow a number of steps.

First, I....

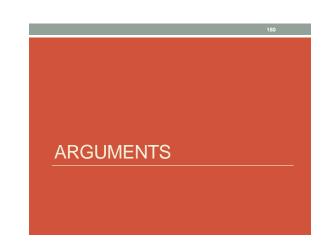
Next, I...

Then, I ...

Finally, I ...

After following these steps, I determined that the answer was \ldots To check this answer, I \ldots

Based on my verification of the answer, I am quite certain that it is accurate.



Argument

Though not everybody would agree, I want to argue that... I have several reasons for arguing this point of view. My first reason is ... A further reason is...

Furthermore...

Therefore, although some people might argue that ...

I have shown that ...

Argument

There is a lot of discussion about whether...

The people who agree with this idea claim that...

A further point they make is ...

However, there are also strong arguments against this point of view.

People with the opposing view believe that...

They say that...

Furthermore, they claim that...

After examining the different points of view and the evidence for them, I think... because...

Opinion

I think that ... I feel this way because ... Another reason I feel this way is... Most importantly, I think ... For these reasons, I believe that ...

Exit Ticket

Name: Directions: Complete _____ of these statements.

- 1.Today I learned...
- 2.I was surprised by...
- 3 The most useful thing I will take from this lesson
- is...
- 4.One thing I am not sure about is....
- 5. The main thing I want to find out more about is....
- 6. After this lesson, I feel...
- 7.1 might have gotten more from this lesson if....

Thank you

May you thrive as an educator.

How well we teach = How well they learn