

Responding to the Demands of the Common Core State Standards 4

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Reading Comprehension:

Before Reading During Reading After Reading

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Preview - Before Reading Strategies

- Teach the pronunciation and meaning of critical, unknown vocabulary words
- Review, teach or activate any necessary background knowledge
- Preview the text

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Before Reading - Vocabulary

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

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Before Reading - Vocabulary

- Limit number of words given in depth instruction to 4 to 5 words (Robb, 2003)
 - Unknown
 - Critical to text comprehension
 - Useful in the future
 - More difficult



Before Reading - Vocabulary

Step 1. Introduce the word.

- Write the word on the board or overhead.
- Read the word and have the students repeat the word. Have students tap out the syllables in the word.

- Have students read the word by parts as you loop under the word. Have students repeat the pronunciation of the word. (If the word is difficult to pronounce or unfamiliar have the students repeat the word a number of times.)

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.



Before Reading - Vocabulary

Step 2. Introduce meaning of word.

Option # 1. Present a student-friendly explanation.

- Tell students the explanation. OR
- Have them read the explanation with you.

Present the definition with me.

When someone has suffrage, they have the right to vote in an election.



Before Reading - Vocabulary

ep 2. Introduce meaning of word.

Option # 2. Have students locate the definition in the glossary or text and break the definition into the critical attributes.

Glossary: Suffrage - the right to vote

suffrage

- the right
- to vote



Before Reading - Vocabulary

p 2. Introduce meaning of word.

Option # 3. Introduce the word using the meaningful parts in the word.

autobiography auto = self bio = life graph = letters, words, or pictures

hydroelectricity hydro = water



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 |



| 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 |

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Before Reading - Vocabulary

Step 3. Illustrate the word with examples.

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

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Before Reading - 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>.

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Before Reading - 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.



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Before Reading - Vocabulary

Suffrage Examples

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



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Before Reading - 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, _____



Before Reading - 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?

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Before Reading - 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.

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Before Reading - Vocabulary



suffrage suffragist

noun

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.

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Background Knowledge - What

-what one already knows about a subject.
- ...all the knowledge learners have when entering a learning environment that is potentially relevant for acquiring new knowledge.

 Biemans & Simons, 1996

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Background Knowledge - Why

 Background knowledge of text has a major impact on whether or not a reader can comprehend text.

Anderson & Pearson, 1984; Bransford, Stein, & Shelton, 1984; Wilson & Anderson, 1986

 Across grades and reading ability, prior knowledge of subject area and key vocabulary results in higher scores on reading comprehension measures.

Langer, 1984; Long, Winograd, & Bridget, 1989; Stevens, 1980

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Background Knowledge - Why

 Average correlation between person's background knowledge of a given topic and extent to which a person learns new information is .66. Marzano, 2004



Teach Background Knowledge

BIG IDEA

Even a thin slice of background knowledge is useful.

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Teach Background Knowledge

Preparation

- What is critical?
- 2. What information would ease acquisition of new knowledge?
- 3. What information would reduce cognitive overload?
- I. What information will increase interest and motivation?

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Teach Background Knowledge

Anchor Instruction in:

- Supplementary Informational Text
- Power-point
- Visuals
- Video

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Section 1

Jacksonian Democracy

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Main Idea

The political system of the United States changed under Andrew Jackson.

As you read, ask yourself:

What changes in the political system of the United States occurred under Andrew Jackson?

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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





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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Career - Politician

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



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Personal Life

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



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Preview - Informational Passage

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.

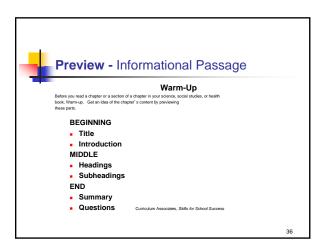
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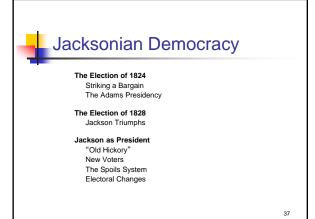


Preview - Informational Passage

- 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 with team members.

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- Utilize passage reading procedures that provide adequate reading practice
- Ask appropriate questions during passage reading
- Have students generate questions
- Teach text structure strategies that can be applied to passage reading

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ComprehensionInformational Text Reading

- Read
- Stop
- Respond
 - answer teacher questions
 - generate questions/answer questions
 - verbally retell content
 - "Paragraph shrinking"
 mark text
 - mark text
 take notes
 - take notes
 map/web content

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During Passage Reading

Read Stop Respond

- -Teacher Asks Questions
- Students Answer Questions

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During Passage Reading - Ask Questions

Asking questions. A evidence-based, time honored procedure

The teacher asks questions to guide and monitor students' comprehension

Ambruster, Lehr, & Osborn, 2001; National Reading Panel, 2000; McKeown, Beck, & Blake, 2009;

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During Reading - Ask Questions

The Teacher-Generated Questions

- Divide the material into appropriate segments.
- Develop questions on the content, focusing on the most important understanding that students should construct.

OR

Curriculum Questions

Ask questions provided by the curriculum material.



During Reading - Ask Questions

- 1. Ask text-dependent questions
 - The student must read the text to respond to the question
- 2. Ask higher order questions
 - Inferences, predictions, comparisons, summaries
- 3. Scaffold higher order questions with **foundation** questions on key details
- 4. Scaffold answers with sentence starters
- 5. Use appropriate active participation procedures for asking questions



During Reading -Scaffold Higher Order Questions

- If the question is a difficult, higher order question, scaffold (support) the students' performance
- Provide a verbal or written sentence starter
- Ask lower order (literal) questions first to establish a foundation on which higher order responses can be based



During Reading -Scaffold Higher Order Questions

Elementary Example Support student responding by providing $\boldsymbol{sentence}$ starters (stems).

In what ways are emperor penguins different from other birds you know about?

Emperor penguins are different from other birds in a number of ways. First,



During Reading -Scaffold Higher Order Questions

Scaffolding Questions:

Can penguins fly?

Does the mother or the father penguin sit on the egg to keep it

Does the father penguin stay alone or with a group?

Big Question to be asked:

In what ways are emperor penguins different from other birds you know about?

Emperor penguins are different from other birds in a number of ways. First,



During Reading -Scaffold Higher Order Questions

(Secondary Example)

Scaffolding Questions

How many political parties were there in 1824?

What position in the government was Clay given?

Four men in the party ran for president. Did Andrew Jackson get a majority of

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?

Big Question to be asked:

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



During Reading - Ask Questions

Procedure for asking students questions on text material.

Saying answer to partner (Partners First)

- Ask a question
- 2. Give students thinking time or writing time
- Provide a verbal or written sentence starter or paragraph frame
- 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



During Passage Reading

Read Stop Respond

- Students generate questions
- Students answer questions

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During Reading - Students generate and answer questions

Student-Generated 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.

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Classifying Rocks

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

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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? | |

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How Rocks Form

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

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During Passage Reading

Read Stop Respond

- -Students create main idea statements
- -Students respond to teacher or partner questions



During Reading - Students generate main idea statements

Paragraph Shrinking

- 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)

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During Reading - Paragraph Shrinking (1 do it.)

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.

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During Reading - Paragraph Shrinking (We do it.)

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 the windiest places in the world.

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During Reading - Paragraph Shrinking (You do it.)

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.

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During Passage Reading

Read Stop Respond

- Students "mark" the text
- Students write notes in the margins



During Reading - Students "mark" the text

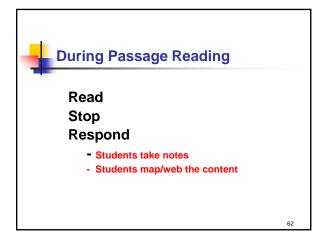
- 1. Number the paragraphs
- 2. Circle the topic and/or key terms
- 3. Underline the author's claims or other critical information

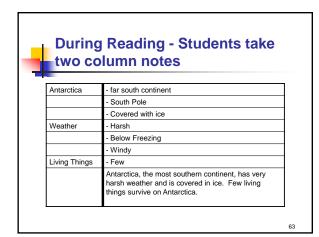


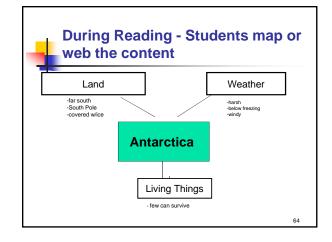
During Reading - Students write notes in the margins

- Notes in the margin might include:
 - A drawing to illustrate a point
 - A summary of the content
 - Key vocabulary terms and definitions
 - Responses to interesting information, ideas, or claims

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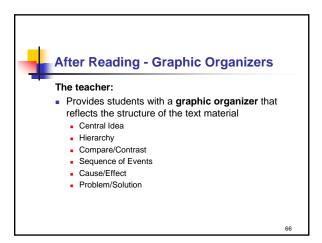




Preview - After Reading Strategies

- Have students complete or generate graphic organizers that summarize critical information

- Have students write in response to a passage:
- Summary
- Compare and Contrast
- Opinion





After Reading - Graphic Organizers

- After completing the graphic organizer, students:
 - Teach the content on the graphic organizer to their partners
 - Use the graphic organizer as a support during class discussions
 - Write a summary of the content based on the graphic organizer

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Write a Summary - Writing Frames

Antarctica is the coldest continent on the earth.
The land is covered with
______. The temperature

stays below _____ and the ____ constantly blow. Because of these conditions, not many _____ things are found on this continent.

__



Write a Summary - Writing Frames

Summary of 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...

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Write a Summary - Writing Frames

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 believed that all the continents were once joined together in a single land mass that he called Pangaee that drifted 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 this evidence could be validated by other scientists. 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 continents.

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Write a Summary - Writing Frames

Summary of Opinion Article

- Name of Article:...
- Author: ...Topic: ...
- In this article, _____. discusses
- The author's primary claim is that
- First, she/he states....
- She/he then points out that ...
- In addition, _____, indicates that....
- Finally, she/he conclude.....



Write a Summary - Writing Frames

Summary of Opinion Article

- Name of Article:...
- Author: ...
- Topic: ...
- In this article, _____. discusses...
- The author's primary claim is that
- First, she/he states....
- She/he then points out that ...
- In addition, _____, indicates that....
- Finally, she/he conclude.....



Write a Summary - Writing Frames

Name of Article: The Writing Revolution Magazine/Journal: the Atlantic (September, 2012) Author: Peg Tyre Topic: Writing Instruction

In this article, Peg Tyre discusses writing instruction in today's schools. The author's primary claim is that a return to traditional, explicit instruction on the fundamentals of writing could be the answer to poor writing exhibited in schools. First, she states that teachers at New Dorp High School determined strious. First, is states that leadings at New Dulp ingil schlool beteinhined that their students poor performance was due to the fact that they could not express their ideas on paper. She then points out that when New Dorp adopted intense, explicit instruction on the skills of analytic writing, test scores and graduation rates improved. In addition, Tyre indicates that thinking, speaking, and reading skills are strengthened through writing instruction.

Finally, she concludes that a return to traditional writing instruction may be the key to improving the writing skills of failing students.



Write a Summary - Strategy

Write down the topic of the summary.

Cross-out

- Make a list of important ideas.

Connect

- Cross out any unnecessary or weak ideas. - Connect ideas that could go in one sentence.

Number

- Number the ideas in the order that they

will appear in the paragraph.



List - Make a list of important ideas.

Penquin's birth

- Male takes care of egg
- Female lays egg
- Female leaves
- Female spends winter at sea
- The water is very cold
- Male puts egg on his feet under belly
- Male stays on egg for two months
- Male doesn't eat
- Egg hatches
- Male must care for baby

Cross-out - Cross out any unnecessary or weak Connect ideas that could go in one Connect sentence.

Penquin's birth

Male takes care of egg

Female lays egg

Female leaves

Female spends winter at sea

The water is very cold

Male puts egg on his feet under belly

Male stays on egg for two months

Male doesn't eat

Egg hatches

Male must care for baby

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Number - Number the ideas in the order that they will appear in the paragraph.

Penquin's birth

Male takes care of egg 3

1 Female lays egg

Eemale leaves

Female spends winter at sea

The water is very cold Male puts egg on his feet under belly

Male stays on egg for two months

5 Male doesn't eat Egg hatches

-Male must care for baby

Write a summary - Strategy

The birth process of penguins is fascinating and quite different from that of other animals. The female penguin lays an egg. However, the female penguin leaves soon after laying the egg and spends the winter in the sea. Meanwhile the male must take care of the egg. For two months, he places the egg on his feet under his belly. During this time, the male penguin doesn't eat. Even after the baby penguin hatches, the male penguin continues to take care of the infant penguin.