

DOLPHIN RESEARCH CENTER

Grade 4 Teachers using the National Standards

Dear Fourth Grade Teachers using the National Standards,

Thank you for considering bringing your students to the Dolphin Research Center. We have a variety of educational opportunities available to you and they are all listed on our website. However, just coming on site allows you to meet a variety of educational standards that are a part of your educational curriculum.

We have narrated sessions and theater presentations all day long. Attending these sessions will meet many of the Common Core English Language Arts Standards (CC-ELA) for speaking and listening including:

- **CCSS.ELA-Literacy.SL.4.1** Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on *grade 4 topics and texts*, building on others' ideas and expressing their own clearly. A. Come to discussions prepared, having read or studied required material; explicitly draw on that preparation and other information known about the topic to explore ideas under discussion. B. Follow agreed-upon rules for discussions and carry out assigned roles. C. Pose and respond to specific questions to clarify or follow up on information, and make comments that contribute to the discussion and link to the remarks of others. D. Review the key ideas expressed and explain their own ideas and understanding in light of the discussion.
- **CCSS.ELA-Literacy.SL.4.2** Paraphrase portions of a text read aloud or information presented in diverse media and formats, including visually, quantitatively, and orally.
- **CCSS.ELA-Literacy.SL.4.6** Differentiate between contexts that call for formal English (e.g., presenting ideas) and situations where informal discourse is appropriate (e.g., small-group discussion); use formal English when appropriate to task and situation.

Additionally we have educational signs stationed throughout the grounds. These signs alone can meet many of the CC-ELA related to the reading of informational text. Such as:

- **CCSS.ELA-Literacy.RI.4.2** Determine the main idea of a text and explain how it is supported by key details; summarize the text.
- **CCSS.ELA-Literacy.RI.4.3** Explain events, procedures, ideas, or concepts in a historical, scientific, or technical text, including what happened and why, based on specific information in the text.
- **CCSS.ELA-Literacy.RI.4.4** Determine the meaning of general academic and domain-specific words or phrases in a text relevant to a *grade 4 topic or subject area*.
- **CCSS.ELA-Literacy.RI.4.5** Describe the overall structure (e.g., chronology, comparison, cause/effect, problem/solution) of events, ideas, concepts, or information in a text or part of a text.
- **CCSS.ELA-Literacy.RI.4.7** Interpret information presented visually, orally, or quantitatively (e.g., in charts, graphs, diagrams, time lines, animations, or interactive



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elements on Web pages) and explain how the information contributes to an understanding of the text in which it appears.

- **CCSS.ELA-Literacy.RI.4.8** Explain how an author uses reasons and evidence to support particular points in a text.

In addition to meeting the CC-ELA our narrations and signs also provide information that is related to the following Next Generation Science Standards (NGSS).

- **4-LS1-1.** Construct an argument that plants and animals have internal and external structures that function to support survival, growth, behavior, and reproduction.
- **4-LS1-2.** Use a model to describe that animals receive different types of information through their senses, process the information in their brain, and respond to the information in different ways.
- **4-ESS3-1.** Obtain and combine information to describe that energy and fuels are derived from natural resources and their uses affect the environment.
- **Scientific Investigations Use a Variety of Methods** Science methods are determined by questions. Science investigations use a variety of methods, tools, and techniques.
- **Science is a Way of Knowing** Science is both a body of knowledge and processes that add new knowledge.

You may opt to have students take what they have learned here and apply it to a research project (informational or persuasive) back at your school, allowing for the integration of additional writing standards. You may find a detailed list of these standards by visiting the grade appropriate standards letter for states using the CC-ELA and NGSS.

We thank you for your consideration and sincerely hope that you will take the time to bring your students to visit our dolphins in our wonderful natural classroom!

Dolphin Research Center Education Team

