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**PA Common Core Standards- Grades 3-5**

**Alignment with HMS Kestrel Webcam Curricula**

**PA Core Standards- CC.1: PA Core: English Language Arts**

**Standard Area- CC.1.4: Writing: Students write for different purposes and audiences. Students write clear and focused text to convey a well-defined perspective and appropriate content.**

**Grade Level- CC.1.4.3-5: Grades 3-5**

**CC.1.4.3-5.A:** Write informative/ explanatory texts to examine a topic and convey ideas and information clearly.

**CC.1.4.3.V:** Conduct short research projects that build knowledge about a topic.

**CC.1.4.4.V:** Conduct short research projects that build knowledge through investigation of different aspects of a topic.

**CC.1.4.5.V:** Conduct short research projects that use several sources to build knowledge through investigation of different aspects of a topic.

**CC.1.4.3-5.X:** Write routinely over extended time frames (time for research, reflection, and revision) and shorter time frames (a single sitting or a day or two) for a range of discipline-specific tasks, purposes and audiences.

**PA Core Standards- CC.3: PA Core: Science and Technology Subjects**

**Grade Level- Grades 3-5**

**None**

**Reading, Writing, Speaking, and Listening**

**Standard area- 1.4: Types of Writing**

**Grade Level- 1.4.3-5: Grades 3-5**

**1.4.3.B:** Write informational pieces using illustrations when relevant (e.g., descriptions, letters, reports, instructions).

**1.4.4.B:** Write multi-paragraph informational pieces (e.g., descriptions, letters, reports, instructions)

* Use relevant graphics (maps, charts, graphs, tables, illustrations, photographs).

**1.4.5.B:** Write multi-paragraph informational pieces (e.g., descriptions, letters, reports, instructions)

* Use relevant graphics (maps, charts, graphs, tables, illustrations, photographs).

**Reading, Writing, Speaking, and Listening**

**Standard Area- 1.8: Research**

**Grade Level- 1.8.3: Grades 3-5**

**1.8.3.A:** Follow an inquiry-based process in seeking knowledge.

**1.8.3.B:** Conduct inquiry and **research** on self-selected or assigned topics using specified sourcesand strategies.

**1.8.3.C:** Present the results of **research**, using appropriate visual aids and citing sources.

**1.8.4.A:** Explain an inquiry-based process in seeking knowledge.

**1.8.4.B:** Conduct inquiry and **research** on self- selected or assigned topics using a variety of teacher guided media sources and strategies.

**1.8.4.C:** Produce an organized product that presents the results of research findings, using appropriate visual aids and citing sources.

**1.8.5.A:** Explain an inquiry-based process in seeking knowledge.

**1.8.5.B:** Conduct inquiry and **research** on self-selected or assigned topics using a variety of teacher-guided media **sources** and strategies.

**1.8.5.C:** Produce an organized product that presents findings, draws reasonable conclusions, and gives proper credit to **sources.**

**Science, Technology, and Engineering Education**

**Standard Area- 3.1: Biological Sciences**

**Organizing Category- 3.1.A: Organisms and Cells**

**Grade Level- 3.1.3.A: Grade 3**

**3.1.3.A1:** Describe characteristics of living things that help to identify and classify them.

**3.1.3.A9:** Ask questions about objects, organisms, and events.

Understand that all scientific investigations involve asking and answering questions and comparing the

answer to what is already known.

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**Grade Level- 3.1.4.A: Grade 4**

**3.1.4.A2:** Classify plants and **animals** according to the physical characteristics that they share.

**3.1.4.A9:** Ask questions about objects, organisms, and events.

Understand that all scientific investigations involve asking and answering questions and comparing the

answer to what is already known.

**Grade Level- 3.1.5.A: Grade 5**

**3.1.5.A9: Identify questions** that can be answered through scientific investigations and evaluate the

appropriateness of the questions.

Describe relationships using **inference** and prediction.

**Environment and Ecology**

**Standard Area- 4.1: Ecology**

**Grade Level- 4.1.3: Grade 3**

**4.1.3.C:** Identify sources of energy.

**4.1.3.F:** Ask questions about objects, organisms and events.

Understand that all scientific investigations involve asking and answering questions and comparing the

answer with what is already known.

**Grade Level- 4.1.4: Grade 4**

**4.1.4.A:** Explain how living things are dependent upon other living and non-living things for survival.

**4.1.4.D:** Explain how specific adaptations can help organisms survive in their environment.

**4.1.4.F:** Ask questions about objects, organisms and events.

Understand that all scientific investigations involve asking and answering questions and comparing the

answer with what is already known.

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**Grade Level- 4.1.5: Grade 5**

**4.1.5.C:** Describe different food webs including a food web containing a human.

**4.1.5.F:** Identify questions that can be answered through scientific investigations and evaluate the appropriateness of questions.

Describe relationships using inference and prediction.

**Environment and Ecology**

**Standard Area- 4.3: Natural Resources**

**Grade Level- 4.3.3: Grade 3**

**4.3.3.C:** Ask questions about objects, organisms and events.

Understand that all scientific investigations involve asking and answering questions and comparing the

answer with what is already known.

**Grade Level- 4.3.4: Grade 4**

**4.3.4.C:** Ask questions about objects, organisms and events.

Understand that all scientific investigations involve asking and answering questions and comparing the

answer with what is already known.

**Grade Level- 4.3.5: Grade 5**

**4.3.5.C:** Identify questions that can be answered through scientific investigations and evaluate the appropriateness of

questions.

Describe relationships using inference and prediction.

**Environment and Ecology**

**Standard Area- 4.5: Humans and the Environment**

**Grade Level- 4.5.3: Grade 3**

**4.5.3.F:** Ask questions about objects, organisms and events.

Understand that all scientific investigations involve asking and answering questions and comparing the

answer with what is already known.

**Grade Level- 4.5.4: Grade 4**

**4.5.4.F:** Ask questions about objects, organisms and events.

Understand that all scientific investigations involve asking and answering questions and comparing the

answer with what is already known.

**Grade Level- 4.5.5: Grade 5**

**4.5.5.F:** Identify questions that can be answered through scientific investigations and evaluate the appropriateness of

questions.

Describe relationships using inference and prediction.