

# Elementary Grade Level Expectations Met By Quackers Activity

## Science Process

### **Kindergarten**

#### ***Inquiry Process***

- S.IP.00.11: Make purposeful observation of the natural world using appropriate senses.
- S.IP.00.12: Generate questions based on observations.
- S.IP.00.13: Plan and conduct simple investigations.

#### ***Inquiry Analysis and Communication***

- S.IA.00.12: Share ideas about science through purposeful conversation.
- S.IA.00.13: Communicate and present findings of observations.
- S.IA.00.14: Develop strategies for information gathering.

#### ***Reflection and Social Implications***

- S.RS.00.11: Demonstrate scientific concepts through various illustrations, performances, models, exhibits, and activities.

### **First Grade**

#### ***Inquiry Process***

- S.IP.01.11: Make purposeful observation of the natural world using appropriate senses.
- S.IP.01.12: Generate questions based on observations.
- S.IP.01.13: Plan and conduct simple investigations.

#### ***Inquiry Analysis and Communication***

- S.IA.01.12: Share ideas about science through purposeful conversation.
- S.IA.01.13: Communicate and present findings of observations.
- S.IA.01.14: Develop strategies for information gathering.

#### ***Reflection and Social Implications***

- S.RS.01.11: Demonstrate scientific concepts through various illustrations, performances, models, exhibits, and activities.
- S.RS.01.12: Recognize that scientific investigations are done more than one time.

### **Second Grade**

#### ***Inquiry Process***

- S.IP.02.11: Make purposeful observation of the natural world using appropriate senses.
- S.IP.02.12: Generate questions based on observations.
- S.IP.02.13: Plan and conduct simple investigations.

#### ***Inquiry Analysis and Communication***

- S.IA.02.12: Share ideas about science through purposeful conversation.
- S.IA.02.13: Communicate and present findings of observations.
- S.IA.02.14: Develop strategies and skills for information gathering and problem solving.

#### ***Reflection and Social Implications***

- S.RS.02.11: Demonstrate scientific concepts through various illustrations, performances, models, exhibits, and activities.
- S.RS.02.13: Recognize that when a scientific investigation is done the way it was done before, similar results are expected.
- S.RS.02.15: Use evidence when communicating scientific ideas.

# Elementary Grade Level Expectations Met By Quackers Activity

## **Third Grade**

### ***Inquiry Process***

S.IP.03.11: Make purposeful observation of the natural world using appropriate senses.

S.IP.03.12: Generate questions based upon observations.

S.IP.03.13: Plan and conduct simple and fair investigations.

### ***Inquiry Analysis and Communication***

S.IA.03.12: Share ideas about science through purposeful conversation in collaborative groups.

S.IA.03.13: Communicate and present findings of observations and investigations.

S.IA.03.14: Develop research strategies and skills for information gathering and problem solving.

### ***Reflection and Social Implications***

S.RS.03.11: Demonstrate scientific concepts through various illustrations, performances, models, exhibits, and activities.

S.RS.03.15: Use evidence when communicating scientific ideas.

## **Physical Science**

### **Lower Elementary**

#### *Energy*

P.EN.03.11: Identify light and sound as forms of energy.

P.EN.03.31: Relate sounds to their sources of vibrations.

P.EN.03.32: Distinguish the effect of fast or slow vibrations as pitch.