Inquiry Activity Analysis

Activity:

Grade:

Unit:

Curriculum connection (outcomes / indicators):

Learning Contexts:

- SI
- TPS
- CP
- DM

Level of Inquiry:

- Confirmation
- Structured
- Guided
- Open

Materials:

Resources:

Learning Contexts

- **Scientific Inquiry**
  - Reflects an emphasis on understanding the natural and constructed world using systematic empirical processes that lead to the formation of theories that explain observed events and that facilitate prediction.
- **Technological Problem-Solving**
  - Reflects an emphasis on addressing human and social needs by designing and building to solve practical problems.
- **STSE Decision Making**
  - Reflects the need to engage citizens in thinking about human and world issues through a scientific lens in order to inform and empower decision-making by individuals, communities, and society.
- **Cultural Perspectives**
  - Reflects a humanistic perspective that views teaching and learning as cultural transmission and acquisition.

Levels of Inquiry

(Banchi and Bell, 2008)

Level	**Students are provided with:**	**Useful for:**
Confirmation	Question Procedure Results are know in advance	Reinforcing previously introduced ideas Introducing students to experiments Having students practice a specific skill
Structured	Question Procedure	Observing and recording data Creating conclusions based on evidence
Guided	Question	Observing and recording data Developing procedures Creating conclusions based on evidence
Open		Observing and recording data Developing questions Developing procedures Creating conclusions based on evidence