INVESTIGATION CONCLUSION

PART 5 – 45 minutes

OVERVIEW

After teams have collected enough data, students develop evidence-based conclusions about what they observed.

Standards: 6g, 6h, 6i

Materials

- Our Conclusion worksheet – 1 per group

Vocabulary Words

- Graph

Helpful Hints

- Provide a variety of graphing examples to assist students in determining which type of graph would best show data results.

PROCEDURE

1. Have student groups use the Our Conclusion worksheet to compare their results of their investigation to their predictions.
2. Have student groups determine what claims they can make and if they still need to collect additional information.
3. Work with student groups to determine what type of graph would best organize and represent their data.
4. Have each group share their findings by using the answers on their Our Conclusion worksheet and the graph of their data.

GUIDED QUESTIONS

- If you were to repeat the study, what would you do differently?
- Which predictions were accurate and which were not? How do you know?
- How does your data support your prediction? If it doesn't, why not?
- What did you find out about water quality at your school?

OUR CONCLUSION

Name(s): Date:

Question

1. The question we asked:

Prediction

2. The prediction we made:

Results

3. Write a brief summary of the data you collected.

Graph

4. Create a graph of the results and attach it to the worksheet.

Conclusion

5. What is the answer to your question?

What Did You Find Out?

6. What did you find out about water quality at your school?

7. How does your data support your prediction? If it doesn't, why not?