

Unit 2 Concept 3

Communication of scientific findings

How to share what you conclude!

Lesson Essential Questions

1. Why is it important to accurately record data?
2. What is peer review, and why is it important to scientific research?
3. What are the various ways in which scientific data can be shared?

What is data?

- Data is any information or observations that are associated with a particular project.

Accurately recording data:

- Data collection provides the information needed to develop and justify research.
- A successful project collects reliable and valid data.
 - Accurately assess work.
 - Replicate the research.
 - Justifies what was done.
 - Keep written and electronic records.
 - Analysis must match data.
- Why? Because it is good science!

Peer Review

- Peer review is the evaluation of work by people in the field of the work being done.
 - This is done in order to maintain or increase the value of the work in that field.
 - This happens naturally in life everyday.
 - This should happen in all professional fields.
 - Music
 - Dance
 - Art
 - Media
 - Medicine
 - Science