

Experimental Photo Journal Guide

Photo Journal: A visual record that documents your scientific experiment as it happens, showing both the technical process and human elements.

Required Photo Sequences

1. Setup Photos

- Full equipment setup
- Important calibrations
- Size references
- Safety equipment

2. Process Photos

- Starting condition
- Key changes during experiment
- Any unexpected events
- Adjustments made

3. People Photos

- Team working with equipment
- Proper handling techniques
- Problem-solving moments
- Safety practices in action

4. Team Photo

- All members in lab setting
- Include main equipment
- Show proper safety gear
- Natural poses around experiment

Technical Tips:

- Take both wide shots (full setup) and close-ups (important details)
- Include objects for scale comparison
- Focus on critical alignments and connections
- Document each major step

Proficiency Rubric

Assessment Framework: This rubric evaluates both technical execution and narrative coherence in experimental documentation, recognizing that effective scientific communication requires both precision and storytelling.

Emerging

Description: Beginning to grasp fundamental concepts of experimental documentation, requiring significant guidance.

Skills and Abilities:

- Captures basic equipment photos and group portrait with minimal attention to composition
- Documents experimental steps with inconsistent detail or focus
- Shows limited awareness of scale references and environmental context

Developing

Description: Shows growing understanding of documentation principles, but needs support in execution.

Skills and Abilities:

- Creates clear equipment photos and group portrait with basic compositional awareness
- Records major experimental transitions with adequate detail
- Includes basic scale references and some environmental context

Proficient

Description: Demonstrates solid comprehension of documentation methods, working independently.

Skills and Abilities:

- Produces well-composed equipment photos and engaged group portrait
- Captures complete experimental progression with appropriate detail
- Effectively integrates scale references and environmental context

Extending

Description: Shows advanced understanding and creative capability in documentation.

Skills and Abilities:

- Creates compelling visual narrative through thoughtful composition and sequencing
- Documents subtle experimental details and transitional moments
- Innovatively incorporates context and scale while maintaining technical precision

Remember: Each photo should help someone else understand what you did and how you did it.