

# 06\_Reporting Finding

Content Area: **Science**  
Course(s):  
Time Period: **Full Year**  
Length: **3-4 weeks**  
Status: **Published**

## **General Overview, Course Description or Course Philosophy**

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This course assesses the student's ability to recognize and understand the entire health research process. Students are expected to know how to conceptualize a research project and see it through to completion, including identifying a focused research question, choosing appropriate study designs, collecting data that will answer the question, basic understanding of data analysis, disseminating findings, and following research ethical principles and considerations.

## **OBJECTIVES, ESSENTIAL QUESTIONS, ENDURING UNDERSTANDINGS**

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- we have ways to display research findings
- there are key elements for manuscripts
- journal quality and citing resources in required

## **CONTENT AREA STANDARDS**

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VHEL.9-12.9.4.12.H.12	Apply active listening skills to obtain and clarify information.
VHEL.9-12.9.4.12.H.13	Develop and interpret tables, charts, and figures to support written and oral communications.
VHEL.9-12.9.4.12.H.14	Listen to and speak with diverse individuals to enhance communication skills.  Critical and creative thinking strategies facilitate innovation and problem-solving independently and in teams.

## **RELATED STANDARDS (Technology, 21st Century Life & Careers, ELA Companion Standards are Required)**

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TECH.9.4.2.CI.2	Demonstrate originality and inventiveness in work (e.g., 1.3A.2CR1a).
TECH.9.4.2.DC.1	Explain differences between ownership and sharing of information.

## **STUDENT LEARNING TARGETS**

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### **Declarative Knowledge**

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Students will understand that:

- the ways of presenting research findings
- the key elements for manuscripts
- how to recognize journal quality and proper ways to cite resources

### **Procedural Knowledge**

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Students will be able to:

- Describe the ways of presenting research findings
- Identify the key elements for manuscripts
- Recognize journal quality and citing resources

## **EVIDENCE OF LEARNING**

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### **Formative Assessments**

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Required Activities:

- 1) Checkpoint questions
- 2) Comprehension of key terms

- 3) Completion of Study Guide
- 4) Chapter Quiz-test Questions

### **Summative Assessments**

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- - Benchmarks – departmental benchmark given at the end of MP1, MP2, or MP3 & MP4 b(Semester Based Course)
  - Alternative Assessments
    - Lab inquiries and investigations
    - Lab Practicals
    - Exploratory activities based on phenomenon
    - Gallery walks of student work
    - Creative Extension Projects
    - Build a model of a proposed solution
    - Let students design their own flashcards to test each other
    - Keynote presentations made by students on a topic
    - Portfolio

### **RESOURCES (Instructional, Supplemental, Intervention Materials)**

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Edpuzzel.com

Nearpod.com

KHS Library resource center

### **INTERDISCIPLINARY CONNECTIONS**

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Information writing

Ethics

Data Analysis

Historical Research

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**ACCOMMODATIONS & MODIFICATIONS FOR SUBGROUPS**

See link to Accommodations & Modifications document in course folder.