

Scientific Method, Science Skills, and Lab Safety Lesson & Activity Bundle

- Lesson
- Worksheets & Labs

- NO PREP - Just download and Go!
- Grade 7-10

“

★★★★★ Extremely satisfied - A great way to start the year off in Science, love the students and teacher copies of the powerpoint, I look forward to using this at the start of the year. Thanks!

”

SCROLL
to take a look inside!

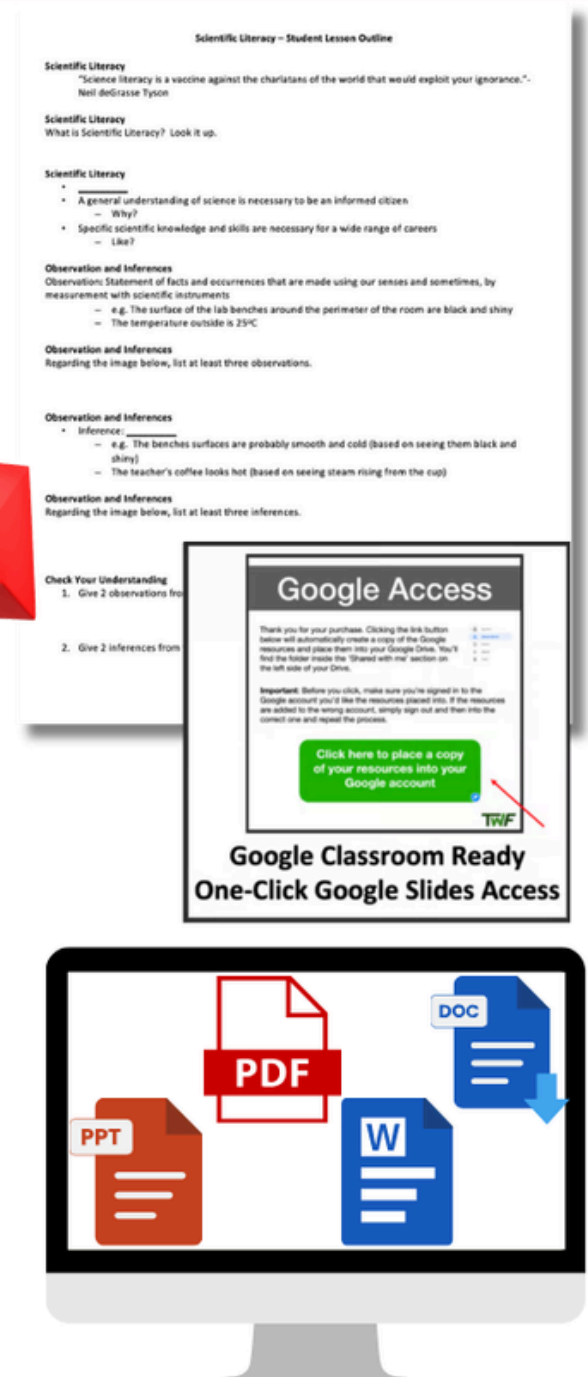


HOW THIS LESSON HELPS YOU

- **Saves Prep Time** - Everything is pre-made, ready to go, and fully editable.
- **Provides Built-In Assessments** - Includes Worksheets, Labs, and Activities.
- **Provides Applicability** - the lesson includes multiple examples of real-life applications.

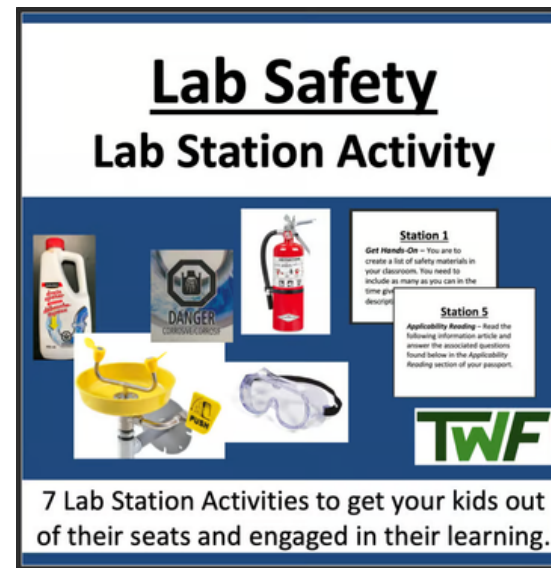
NO PREP

- ✓ **Simply Download and Teach**
- ✓ **100% Print and Digital**
- ✓ **Fill-in-the-Blank Student Notes**
- ✓ **Assessments Included**
- Multiple worksheets and lab activities
- ✓ **Google, Office, & PDF**





**A Complete, Fully-
Editable Lesson &
Student Notes**



**Teacher and Student
Versions of your Lesson
with Embedded Videos**

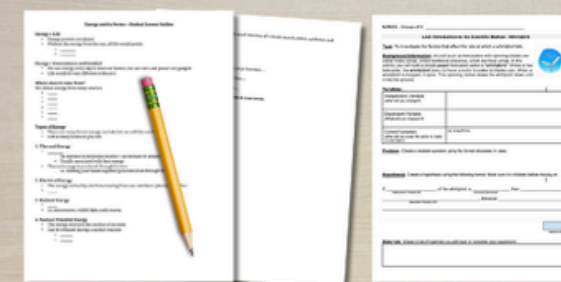


**Worksheets, Labs, and
Activities to Check for
Understanding**

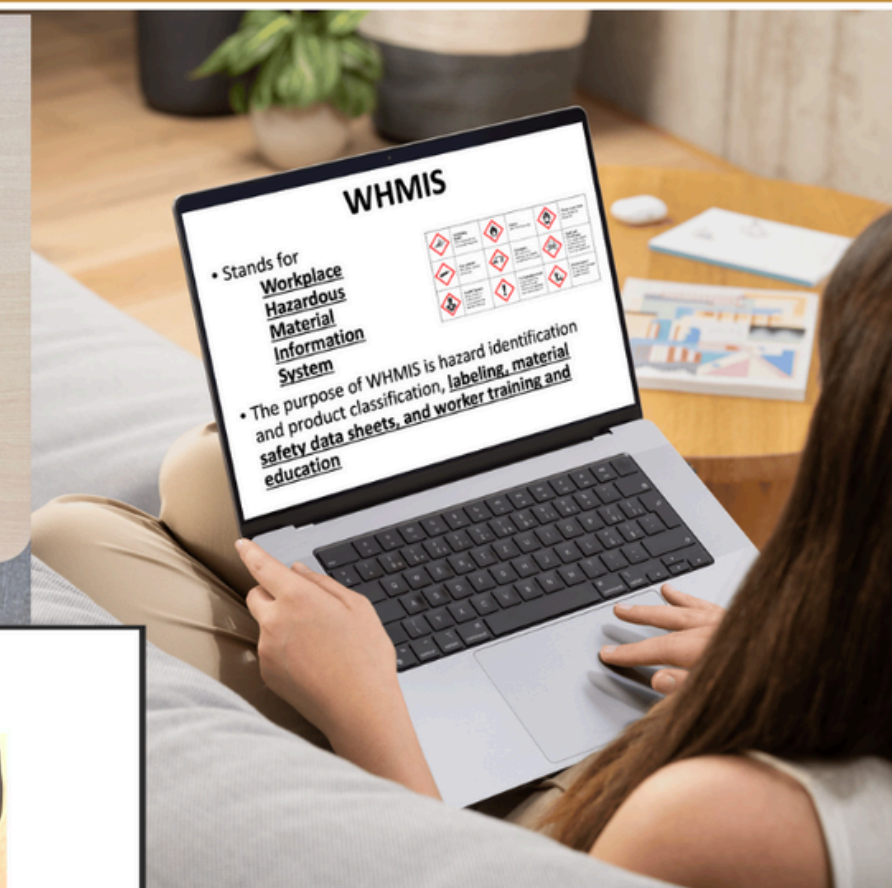
What You Get

**SCIENTIFIC METHOD, SCIENCE
SKILLS, AND LAB SAFETY
TEACHER & STUDENT VERSION**

**Fill-in-the-Blank
Student Notes in Word**



Test and Activities



HHPS

• Stands for

• Found on virtually all potentially dangerous household products

• _____



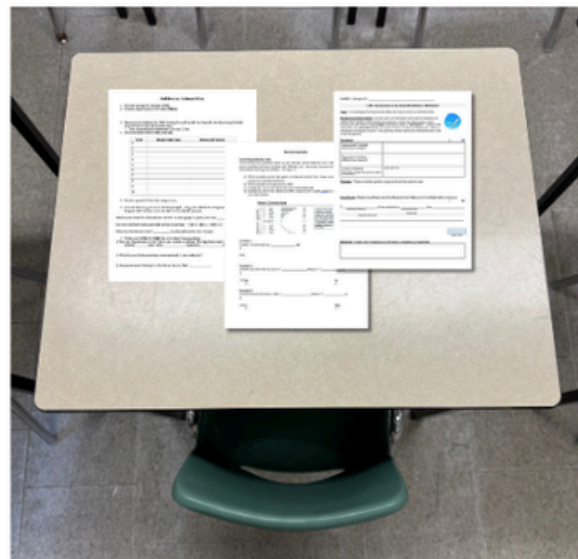
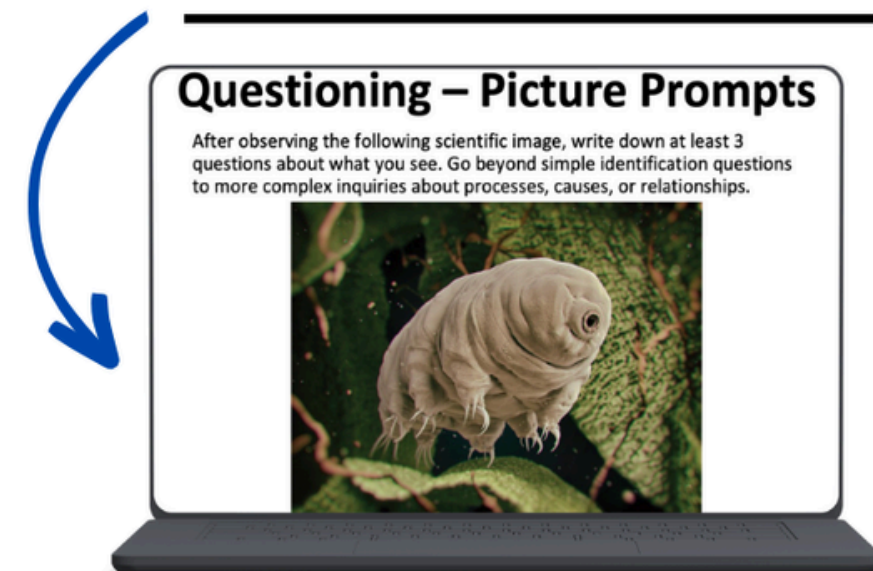
**Student Version of
your Lesson**

What Will Your Students Learn?

Videos Embedded & Fill-in-the-Blank
Student Notes



Scientific Method Practice + Labs and Activities



- ✓ Scientific Literacy
- ✓ Science Lab Safety
- ✓ WHMIS, MSDS, HHPS
- ✓ Observations vs. Inferences
- ✓ Significant Digits/Figures
- ✓ Scientific Notation
- ✓ The Scientific Method
- ✓ Metric Conversions



Your Lesson

Scientific Literacy – Student Lesson Outline

Scientific Literacy
“Science literacy is a vaccine against the charlatans of the world that would exploit your ignorance.”- Neil deGrasse Tyson

Scientific Literacy
What is Scientific Literacy? Look it up.

Scientific Literacy

- A general understanding of science is necessary to be an informed citizen
 - Why?
- Specific scientific knowledge and skills are necessary for a wide range of careers
 - Like?

Observation and Inferences
Observation: Statement of facts and occurrences that are made using our senses and sometimes, by measurement with scientific instruments

- e.g. The surface of the lab benches around the perimeter of the room are black and shiny
- The temperature outside is 25°C

Observation and Inferences
Regarding the image below, list at least three observations.

Observation and Inferences

- Inference:
 - e.g. The benches surfaces are probably smooth and cold (based on seeing them black and shiny)
 - The teacher’s coffee looks hot (based on seeing steam rising from the cup)

Observation and Inferences
Regarding the image below, list at least three inferences.

Check Your Understanding

1. Give 2 observations from the picture.
2. Give 2 inferences from the picture.

Speed Quizzing

What is a control group?
A group that is not changed and is kept under normal conditions.

What does the WHMIS symbol depicting a tree mean?
May cause damage to the aquatic environment.

A fast-moving review activity where students quiz each other, swap cards, then move on to someone new.

observe question experiment

Science Skills and Safety

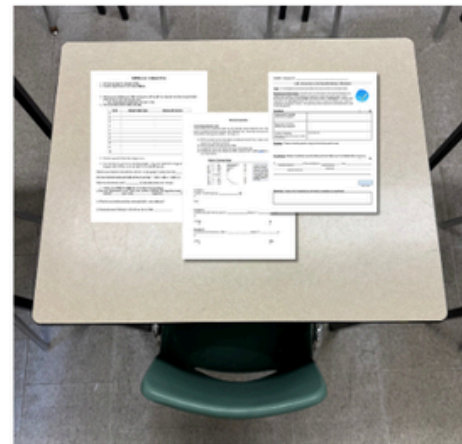
Student Notes in Word

Teacher and Student Versions of the Lesson

Scientific Method Practice + Labs and Activities

Questioning – Picture Prompts

After observing the following scientific image, write down at least 3 questions about what you see. Go beyond simple identification questions to more complex inquiries about processes, causes, or relationships.



Videos embedded in your slides

SCIENTIFIC METHOD, SCIENCE SKILLS, AND LAB SAFETY TEACHER & STUDENT VERSION

Fill-in-the-Blank Student Notes in Word

Test and Activities

HHPS

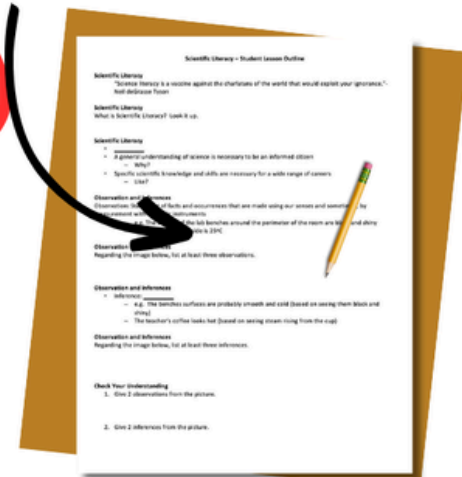
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Student Version of your Lesson

Videos Embedded & Fill-in-the-Blank Student Notes

6) Observing and Recording Data

- Record all data as clearly and accurately as possible
- Make careful notes of everything that occurs during your experiment



As a special bonus, I want to send you a few resources that you can use in your classroom tomorrow. Completely free and geared towards what you teach!



Just  **and then choose what you teach!**

thanks
**for your interest
in this resource!**

*Let's
Connect!*



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