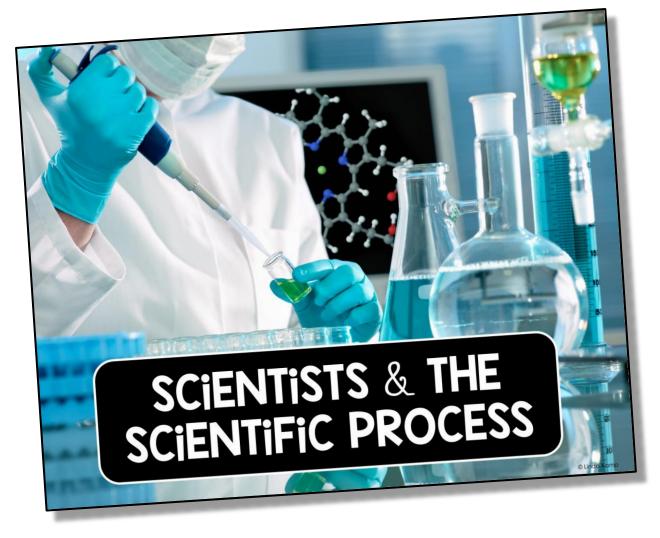
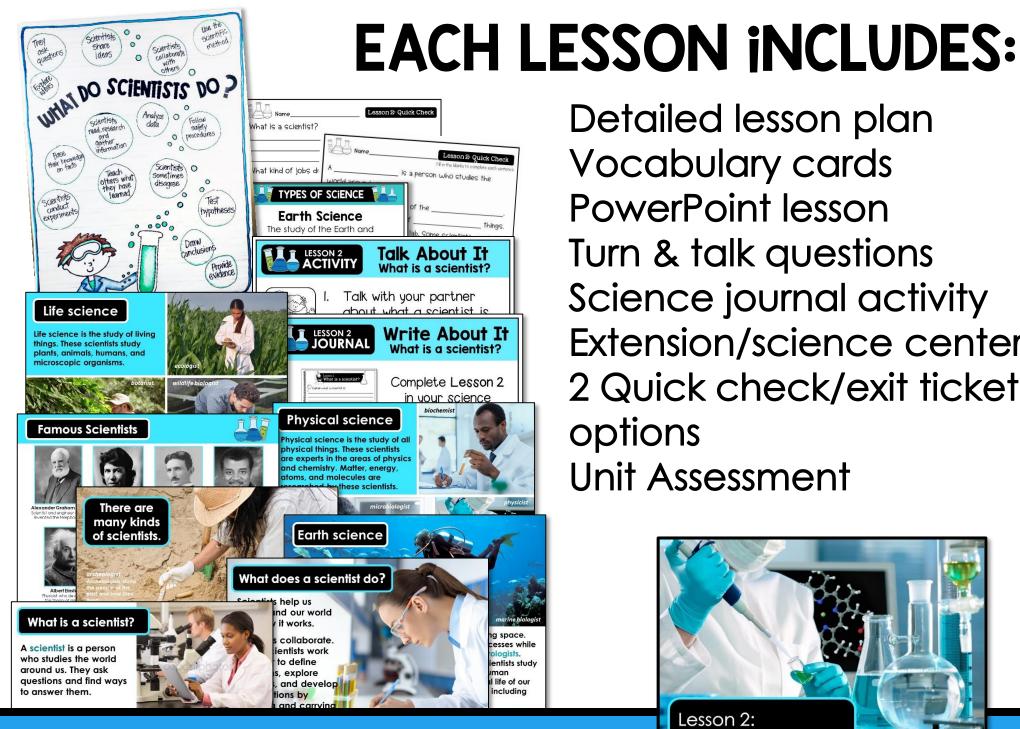
TEACHING POWERPOINT

UNIT INCLUDES:

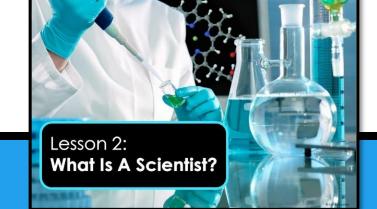


ENGAGING, CONTENT-RICH LESSONS:

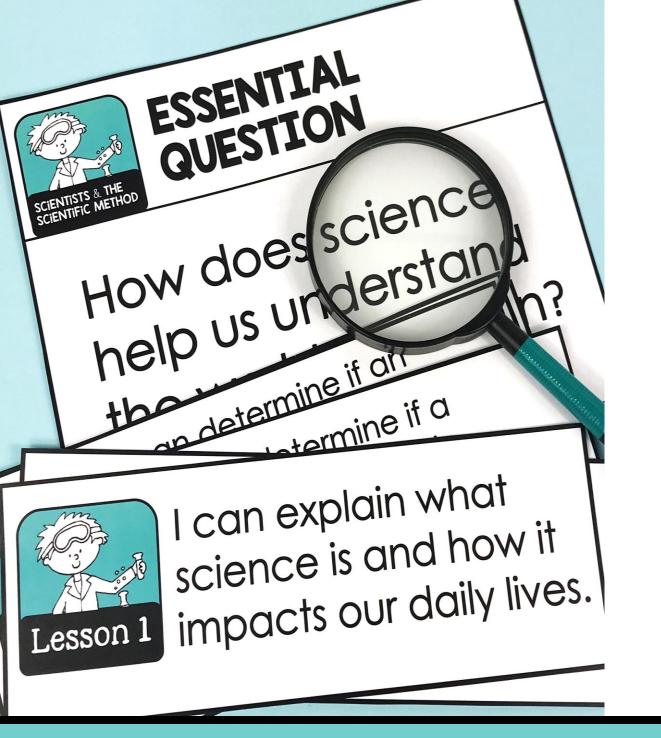
What is Science? What is a Scientist? Tools Scientists Use Science Safety The Scientific Method Become a Scientist: **Exploring Buoyancy Exploring Solubility Exploring Chemical** Reactions Design An Experiment



Detailed lesson plan Vocabulary cards PowerPoint lesson Turn & talk questions Science journal activity Extension/science center 2 Quick check/exit ticket options **Unit Assessment**



SAMPLE LESSON



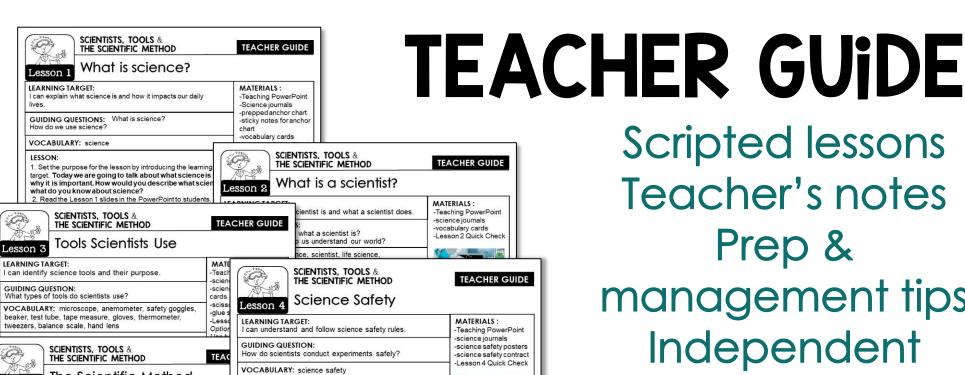
Aligned to
Next
Generation
Science
Standards

and

Common Core State Standards

for grades 2-3

STANDARDS BASED



Lesson 5 LEARNING TARGET:

The Scientific Method

Lesson 6

LEARNING TARGET:

Now that you have learned how and

the scientific method, and are familiar

scientists use, and why they carefully

safety rules you may be ready to con

experiment. Before we get started le

checklists in Lesson 6 in your science

3. Read the checklist with students. Have

I can explain the steps of the scientific method

GUIDING QUESTIONS: How do scien

investigations/ experiments to find ar

VOCABULARY: question, experime variable, hypothesis, research, data

1. Set the purpose for the less target. Today we are going to investigations, or experiment questions. We will learn abou scientist takes to plan and ca test a hypothesis, and gather evid scientific method.

- 2. Read Lesson 5 PowerP Pause to discuss the types o
- 3. Pair students to complete
- 4. Call students together to s
- 5. Revisit the learning target. scientific method with students cor misconceptions by telling students

scientific method give scientis conduct experiments. Object not based on your personal o scientific method scientists of only facts and data

6. Pass out book marks for reference Lesson 5 in their journals and work the

INDEPENDENT PRACTICE:

ASSESSMENT:

Students complete Lesson 5 Quick Che

Becoming A Scientist

SCIENTISTS, TOOLS &

THE SCIENTIFIC METHOD

SCIENTISTS, TOOLS & THE SCIENTIFIC METHOD

TEACHER GUIDE

1. Set the purpose for the lesson by introducing the learning

target. Scientists work with a variety of tools,

Design an Experiment

LEARNING TARGET:

I can plan and carry out an experiment using the scientific metho

How can I design an experiment to test my hypothesis?

1. Set the purpose for the lesson by introducing the learning target. Now that you are familiar with how scientists test a hypothesis using the scientific method you will have an opportunity to plan and conduct your own experiment. We can use the steps of the scientific method to answer questions in every day life.

2. Discuss the examples in the PowerPoint telling students they can use one of these questions or form their own. How would you design an experiment to test these questions?

- What is the most popular food in the cafeteria?
- What time of day do I feel most sleep? What time of day is it the least crowded in the schoo
- What recess games does my class like the most? What kind of jokes make my friend laugh the hardest?
- What is the fastest route to my classroom from the





TEACHER GUIDE

MATERIALS :

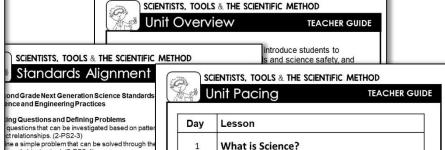
-Teaching PowerPoint science journals -additional



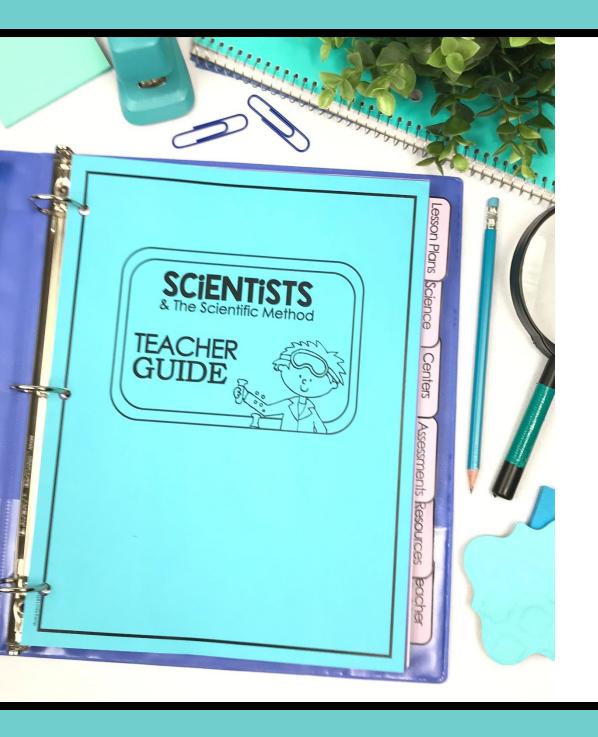




Scripted lessons Teacher's notes Prep & management tips Independent practice Extension activities Assessments



DETAILED LESSON PLANS



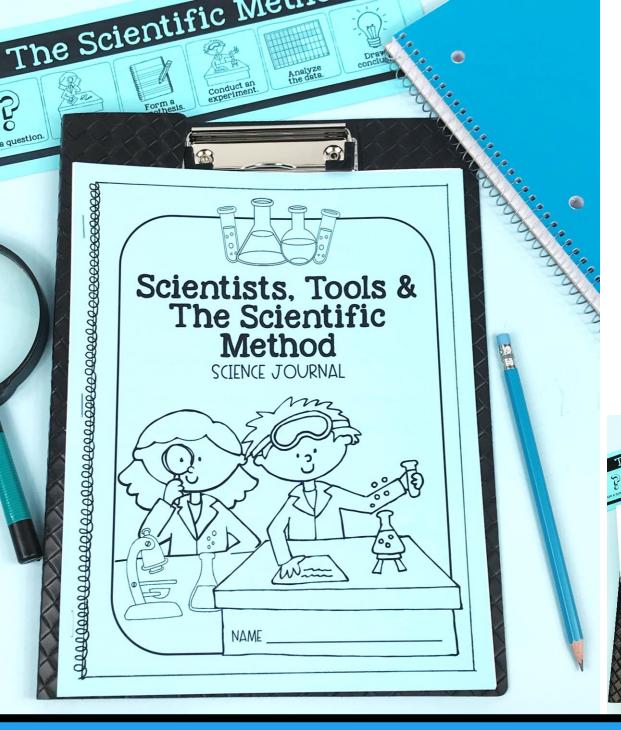
UNIT BINDER

Keep resources organized in a handy planning binder

Binder includes:

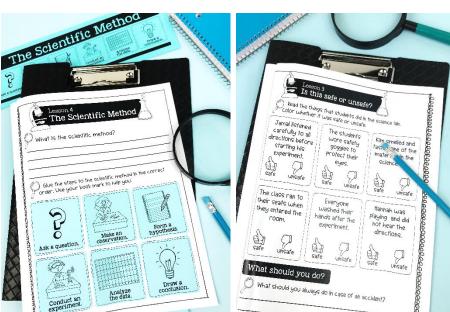
- binder cover
- binder spines
- section dividers
- divider tabs

UNIT PLANNING BINDER



JOURNAL ACTIVITIES INCLUDE:

Short written response
Writing to explain
Sequencing
Categorizing
Applying vocabulary



LESSON RESPONSE JOURNAL

3 SCIENCE EXPERIMENTS



STUDENTS EXPLORE

- Buoyancy
- Solubility
- Chemical Reactions





3 SCIENCE EXPERIMENTS



USING SIMPLE MATERIALS

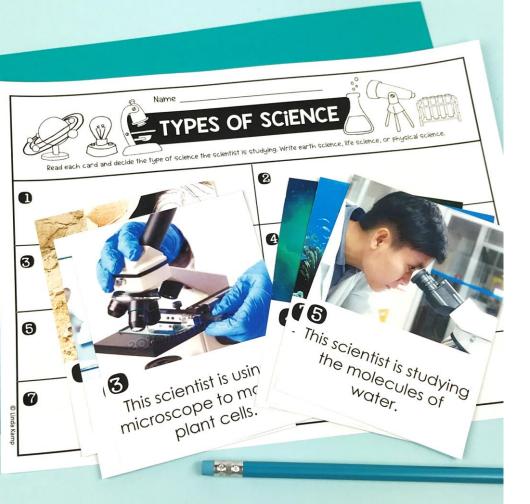
SCIENCE CENTERS



EXTENSION ACTIVITIES using science content

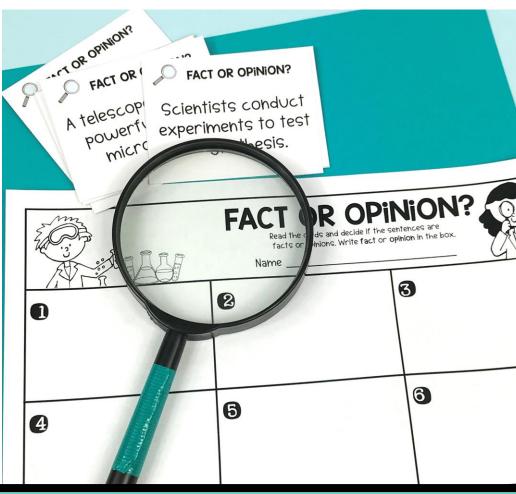


Integrate science in your reading centers

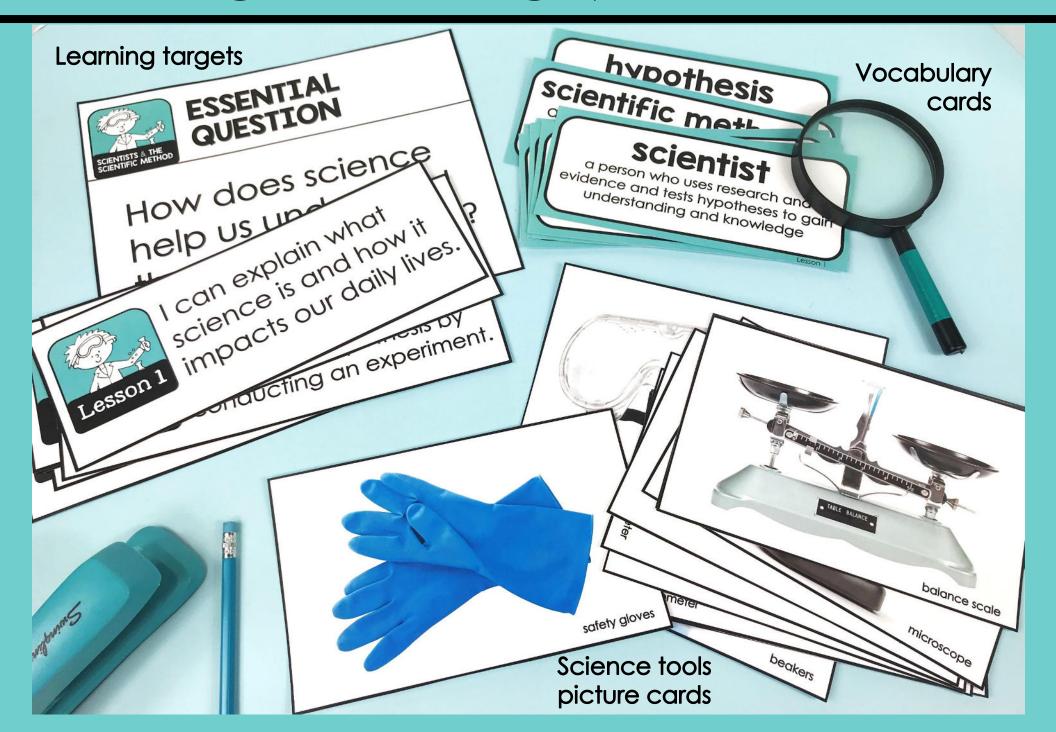


Using LiTERACY SKiLLS

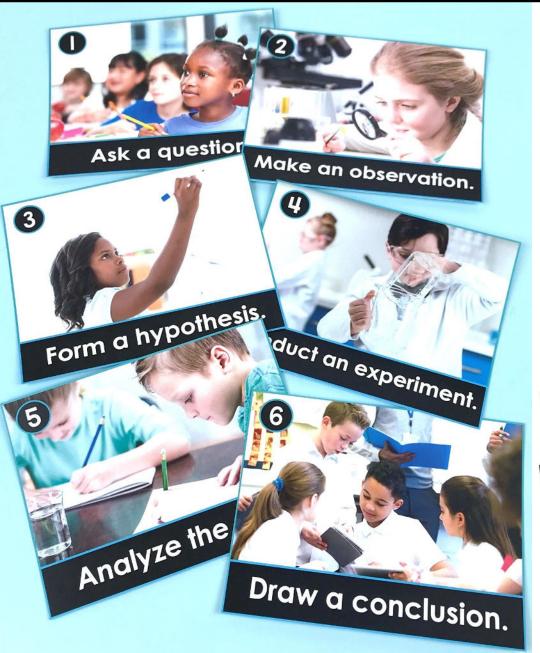
Reinforce SCIENCE KNOWLEDGE



LESSON SUPPORT MATERIALS



REFERENCE WALL RESOURCES



Printable posters
SCIENCE
SAFETY RULES

and

THE SCIENTIFIC METHOD

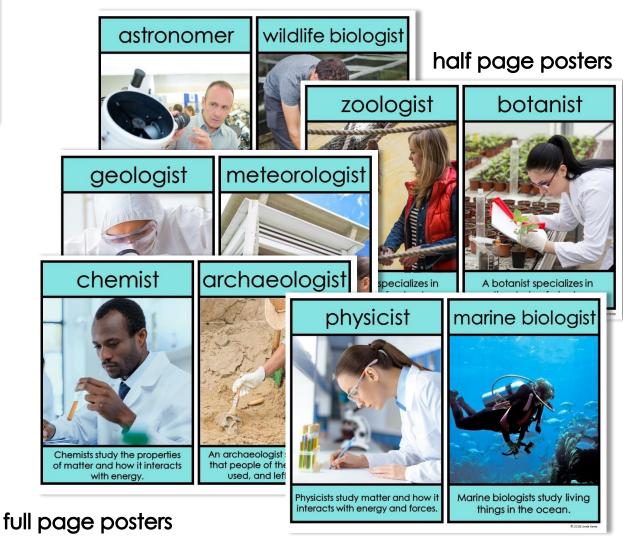


TYPES OF SCIENCE & SCIENTISTS



Printable posters

in color and black & white

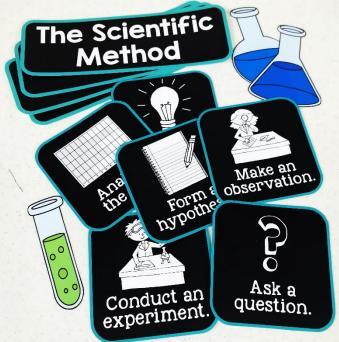


BONUS BULLETIN BOARD SET

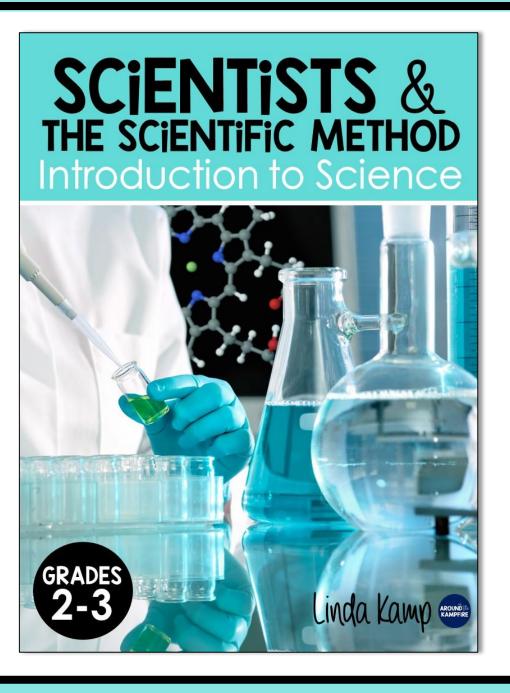


DISPLAY:

Vocabulary
Learning targets
Science tools
Science safety
Scientific Method



BUILD A SCIENCE FOUNDATION



INTRODUCE & TEACH

- Areas of science
- Types of scientists
- Jobs scientists do
- Science tools
- Safety procedures
- Processes scientists use

STUDENTS GAIN

- Foundational knowledge
- Laboratory experience
- Safety expectations

