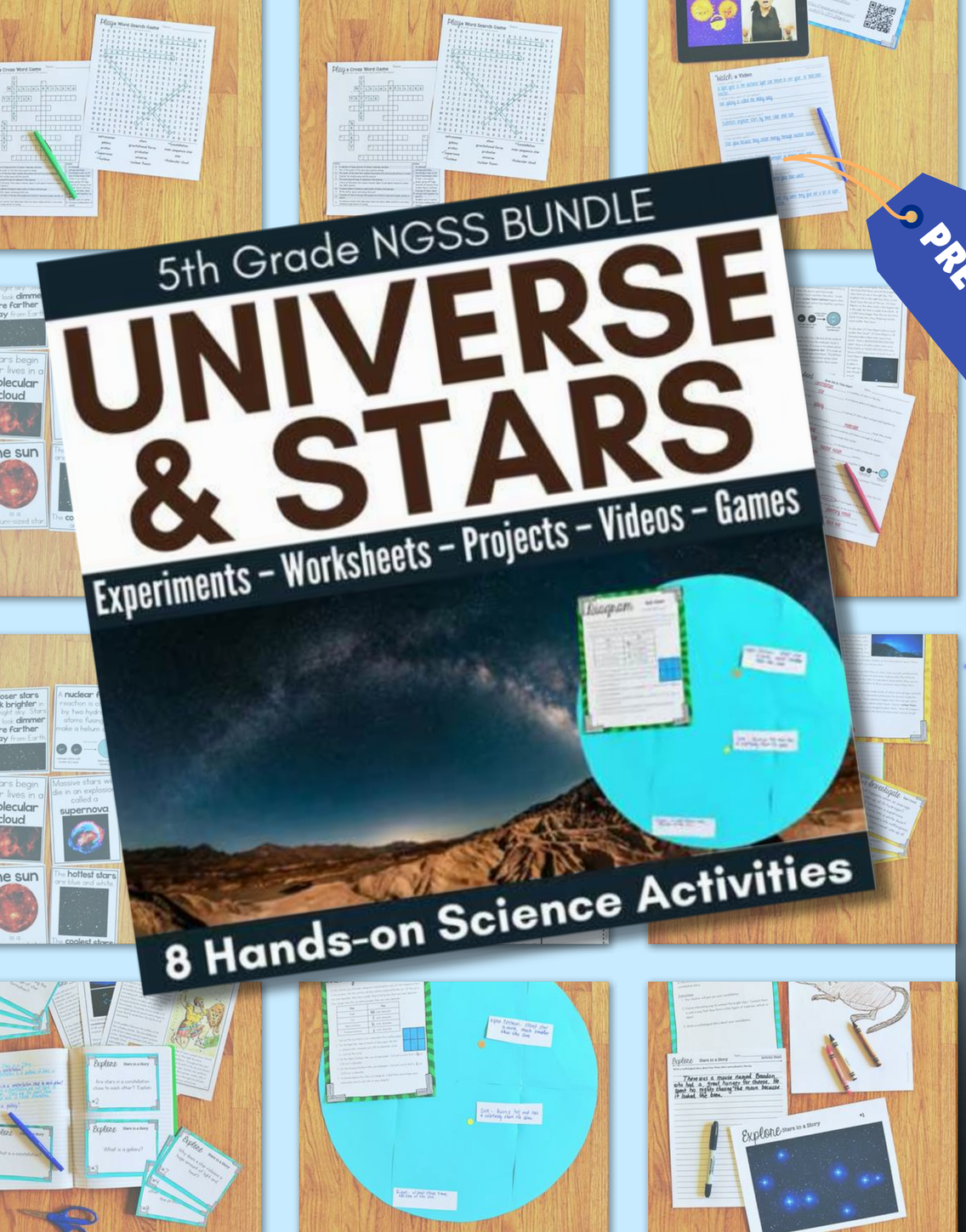


Everything You Need for Your Space Unit

5TH GRADE

UNIVERSE & STARS BUNDLE

KEEP SCROLLING TO SEE WHAT'S INSIDE!

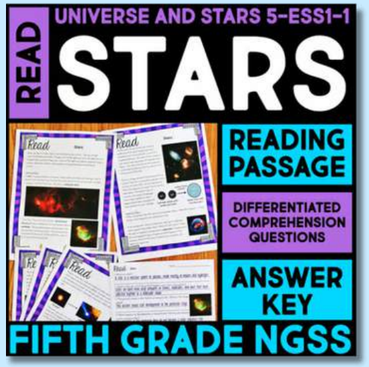
WHAT'S INCLUDED IN THE BUNDLE?

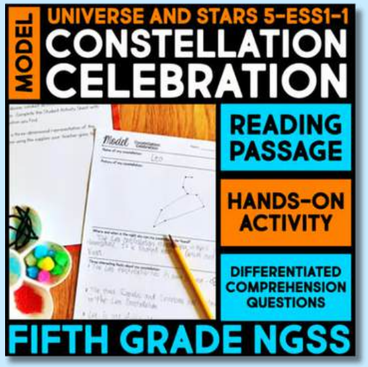


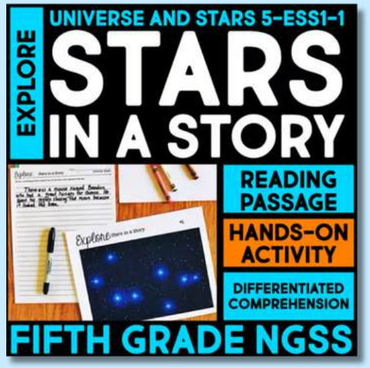














- 8 Science Stations aligned with the NGSS for 5th grade
- 6 Reading passages
- Hands-on activities
- Differentiated comprehension questions
- Digital Videos & Video Games
- Digital Google Slides & Forms

6 READING PASSAGE

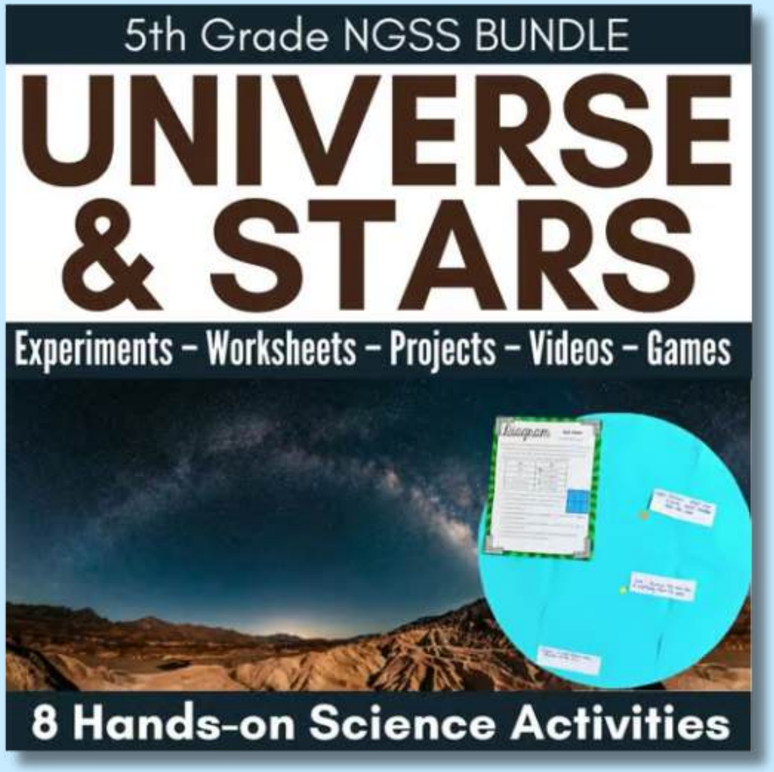


6 Reading Passages that provide all scientific background knowledge for each station

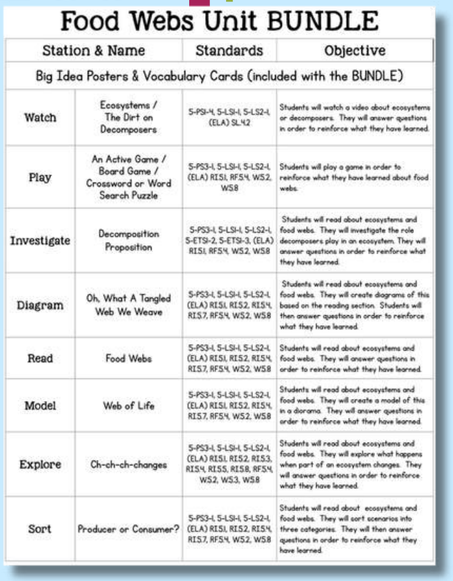
Available in two formats + Digital

Includes pictures and visuals

PAGE OVERVIEW



ADD TO CART



Food Webs Unit BUNDLE

Station & Name		Standards	Objective
Big Idea Posters & Vocabulary Cards (included with the BUNDLE)			
Watch	Ecosystems / The Dirt on Decomposers	5-PS1-1, 5-LS1-1, 5-LS2-1, (ELA) SL.4.2	Students will watch a video about ecosystems or decomposers. They will answer questions in order to reinforce what they have learned.
Play	An Active Game / Board Game / Crossword or Word Search Puzzle	5-PS3-1, 5-LS1-1, 5-LS2-1, (ELA) RI.5.1, RF.5.4, WS.2, WS.8	Students will play a game in order to reinforce what they have learned about food webs.
Investigate	Decomposition Proposition	5-PS3-1, 5-LS1-1, 5-LS2-1, 5-ETS1-2, 5-ETS1-3, (ELA) RI.5.1, RF.5.4, WS.2, WS.8	Students will read about ecosystems and food webs. They will investigate the role decomposers play in an ecosystem. They will answer questions in order to reinforce what they have learned.
Diagram	Oh, What A Tangled Web We Weave	5-PS3-1, 5-LS1-1, 5-LS2-1, (ELA) RI.5.1, RI.5.2, RI.5.4, RI.5.7, RF.5.4, WS.2, WS.8	Students will read about ecosystems and food webs. They will create diagrams of this based on the reading section. Students will then answer questions in order to reinforce what they have learned.
Read	Food Webs	5-PS3-1, 5-LS1-1, 5-LS2-1, (ELA) RI.5.1, RI.5.2, RI.5.4, RI.5.7, RF.5.4, WS.2, WS.8	Students will read about ecosystems and food webs. They will answer questions in order to reinforce what they have learned.
Model	Web of Life	5-PS3-1, 5-LS1-1, 5-LS2-1, (ELA) RI.5.1, RI.5.2, RI.5.4, RI.5.7, RF.5.4, WS.2, WS.8	Students will read about ecosystems and food webs. They will create a model of this in a diorama. They will answer questions in order to reinforce what they have learned.
Explore	Ch-ch-ch-changes	5-PS3-1, 5-LS1-1, 5-LS2-1, (ELA) RI.5.1, RI.5.2, RI.5.3, RI.5.4, RI.5.5, RI.5.8, RF.5.4, WS.2, WS.3, WS.8	Students will read about ecosystems and food webs. They will explore what happens when part of an ecosystem changes. They will answer questions in order to reinforce what they have learned.
Sort	Producer or Consumer?	5-PS3-1, 5-LS1-1, 5-LS2-1, (ELA) RI.5.1, RI.5.2, RI.5.4, RI.5.7, RF.5.4, WS.2, WS.8	Students will read about ecosystems and food webs. They will sort scenarios into three categories. They will then answer questions in order to reinforce what they have learned.



Science Stations Overview

This is a general overview of all science stations in each UNIT BUNDLE.

Watch a Video
At this station, students will watch a video relevant to the topic and answer questions. You have the option of using the included worksheet with the questions or using the task cards and having students respond in their science journals.

Read a Passage
Students read a short passage about the topic and answer questions about the information in the passage. You have the option of using the included worksheet with the questions or using the task cards and having students respond in their science journals.

Play a Game
Students play a game and answer questions about the experience. You have the option of using the included worksheet with the questions or using the task cards and having students respond in their science journals.

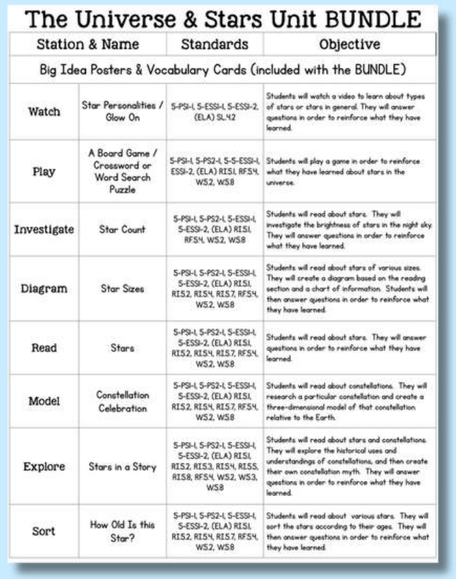
Create a Model
Students use materials to illustrate the science concept and answer questions. You have the option of using the included worksheet with the questions or using the task cards and having students respond in their science journals.

Investigate
Students use materials to investigate the science topic by following directions and recording results. Students answer questions about the investigation.

Explore
Students create a sample and manipulate it using the new science concepts they have learned. Students answer questions based on the effects.

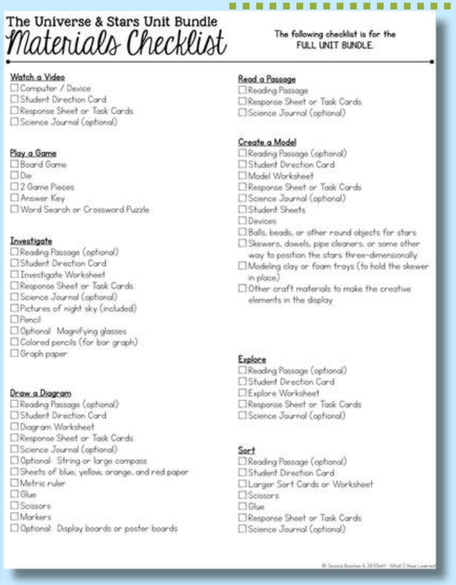
Draw a Diagram
Students draw and label a diagram specific to certain requirements. Students then explain how their diagram meets the requirements.

Sort
Students sort cards into groups or put them in a specific order. Students record the sort and then describe their reasoning.



The Universe & Stars Unit BUNDLE

Station & Name		Standards	Objective
Big Idea Posters & Vocabulary Cards (included with the BUNDLE)			
Watch	Star Personalities / Glow On	5-PS1-1, 5-ESS1-1, 5-ESS1-2, (ELA) SL.4.2	Students will watch a video to learn about types of stars or stars in general. They will answer questions in order to reinforce what they have learned.
Play	A Board Game / Crossword or Word Search Puzzle	5-PS1-1, 5-PS2-1, 5-5-ESS1-1, ESS1-2, (ELA) RI.5.1, RF.5.4, WS.2, WS.8	Students will play a game in order to reinforce what they have learned about stars in the universe.
Investigate	Star Count	5-PS1-1, 5-PS2-1, 5-ESS1-1, 5-ESS1-2, (ELA) RI.5.1, RF.5.4, WS.2, WS.8	Students will read about stars. They will investigate the brightness of stars in the night sky. They will answer questions in order to reinforce what they have learned.
Diagram	Star Sizes	5-PS1-1, 5-PS2-1, 5-ESS1-1, 5-ESS1-2, (ELA) RI.5.1, RI.5.2, RI.5.4, RI.5.7, RF.5.4, WS.2, WS.8	Students will read about stars of various sizes. They will create a diagram based on the reading section and a chart of information. Students will then answer questions in order to reinforce what they have learned.
Read	Stars	5-PS1-1, 5-PS2-1, 5-ESS1-1, 5-ESS1-2, (ELA) RI.5.1, RI.5.2, RI.5.4, RI.5.7, RF.5.4, WS.2, WS.8	Students will read about stars. They will answer questions in order to reinforce what they have learned.
Model	Constellation Celebration	5-PS1-1, 5-PS2-1, 5-ESS1-1, 5-ESS1-2, (ELA) RI.5.1, RI.5.2, RI.5.4, RI.5.7, RF.5.4, WS.2, WS.8	Students will read about constellations. They will research a particular constellation and create a three-dimensional model of that constellation relative to the Earth.
Explore	Stars in a Story	5-PS1-1, 5-PS2-1, 5-ESS1-1, 5-ESS1-2, (ELA) RI.5.1, RI.5.2, RI.5.3, RI.5.4, RI.5.5, RI.5.8, RF.5.4, WS.2, WS.3, WS.8	Students will read about stars and constellations. They will explore the historical uses and understandings of constellations, and then create their own constellation myth. They will answer questions in order to reinforce what they have learned.
Sort	How Old Is this Star?	5-PS1-1, 5-PS2-1, 5-ESS1-1, 5-ESS1-2, (ELA) RI.5.1, RI.5.2, RI.5.4, RI.5.7, RF.5.4, WS.2, WS.8	Students will read about various stars. They will sort the stars according to their ages. They will then answer questions in order to reinforce what they have learned.



The Universe & Stars Unit Bundle Materials Checklist

The following checklist is for the FULL UNIT BUNDLE.

Watch a Video
- ☐ Computer / Device
- ☐ Student Direction Card
- ☐ Response Sheet or Task Cards
- ☐ Science Journal (optional)

Play a Game
- ☐ Board Game
- ☐ Die
- ☐ 2 Game Pieces
- ☐ Answer Key
- ☐ Word Search or Crossword Puzzle

Investigate
- ☐ Reading Passage (optional)
- ☐ Student Direction Card
- ☐ Investigate Worksheet
- ☐ Response Sheet or Task Cards
- ☐ Science Journal (optional)
- ☐ Pictures of night sky (included)
- ☐ Pencil
- ☐ Optional: Magnifying glasses
- ☐ Colored pencils (for bar graph)
- ☐ Graph paper

Draw a Diagram
- ☐ Reading Passage (optional)
- ☐ Student Direction Card
- ☐ Diagram Worksheet
- ☐ Response Sheet or Task Cards
- ☐ Science Journal (optional)
- ☐ Optional: String or large compass
- ☐ Sheets of blue, yellow, orange, and red paper
- ☐ Metric ruler
- ☐ Glue
- ☐ Scissors
- ☐ Markers
- ☐ Optional: Display boards or poster boards

Read a Passage
- ☐ Reading Passage
- ☐ Response Sheet or Task Cards
- ☐ Science Journal (optional)

Create a Model
- ☐ Reading Passage (optional)
- ☐ Student Direction Card
- ☐ Model Worksheet
- ☐ Response Sheet or Task Cards
- ☐ Science Journal (optional)
- ☐ Student Sheets
- ☐ Devices
- ☐ Balls, beads, or other round objects for stars
- ☐ Skewers, dowels, pipe cleaners, or some other way to position the stars three-dimensionally
- ☐ Modeling clay or foam trays (to hold the skewer in place)
- ☐ Other craft materials to make the creative elements in the display

Explore
- ☐ Reading Passage (optional)
- ☐ Student Direction Card
- ☐ Explore Worksheet
- ☐ Response Sheet or Task Cards
- ☐ Science Journal (optional)

Sort
- ☐ Reading Passage (optional)
- ☐ Student Direction Card
- ☐ Larger Sort Cards or Worksheet
- ☐ Scissors
- ☐ Glue
- ☐ Response Sheet or Task Cards
- ☐ Science Journal (optional)

Table of Contents

Science Station Overview

Materials Checklist

Science Stations

BIG IDEA POSTERS



BIG IDEA POSTERS THAT EXPLAIN THE KEY CONCEPTS



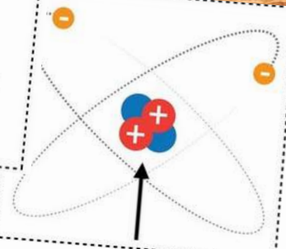
a collection of large amounts of atoms, molecules, and dust

molecular cloud



a star in its mature phase, giving off huge amounts of energy from nuclear fusion reactions

main sequence star



the center of the atom that contains the protons and neutrons

nucleus



all t' mat space, and energy that exist

universe

molecular cloud

a collection of large amounts of atoms, molecules, and dust

astronomer

scientist who studies space and the universe

VOCABULARY CARDS WITH PICTURE

VOCABULARY CARDS WITHOUT PICTURE



WATCH STATION

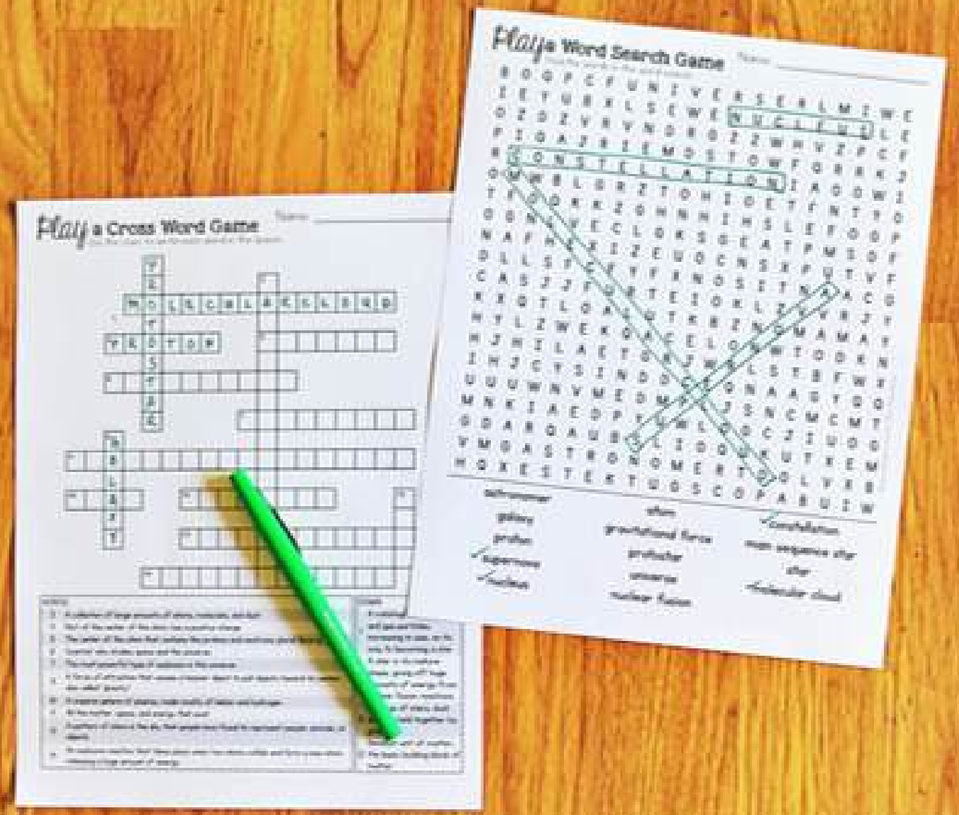
STUDENTS VIEW A VIDEO ABOUT STARS AND ANSWER COMPREHENSION QUESTIONS.

> "Great resource! My students really enjoyed this. Thank you!"
> - Meghan G.

PLAY STATION

CHOOSE FROM A BOARD GAME, ACTIVE MOVEMENT GAME, CROSSWORD, OR WORD SEARCH.

"So many wonderful resources that helped my students learn so much!"
- Jill U.





INVESTIGATE STATION

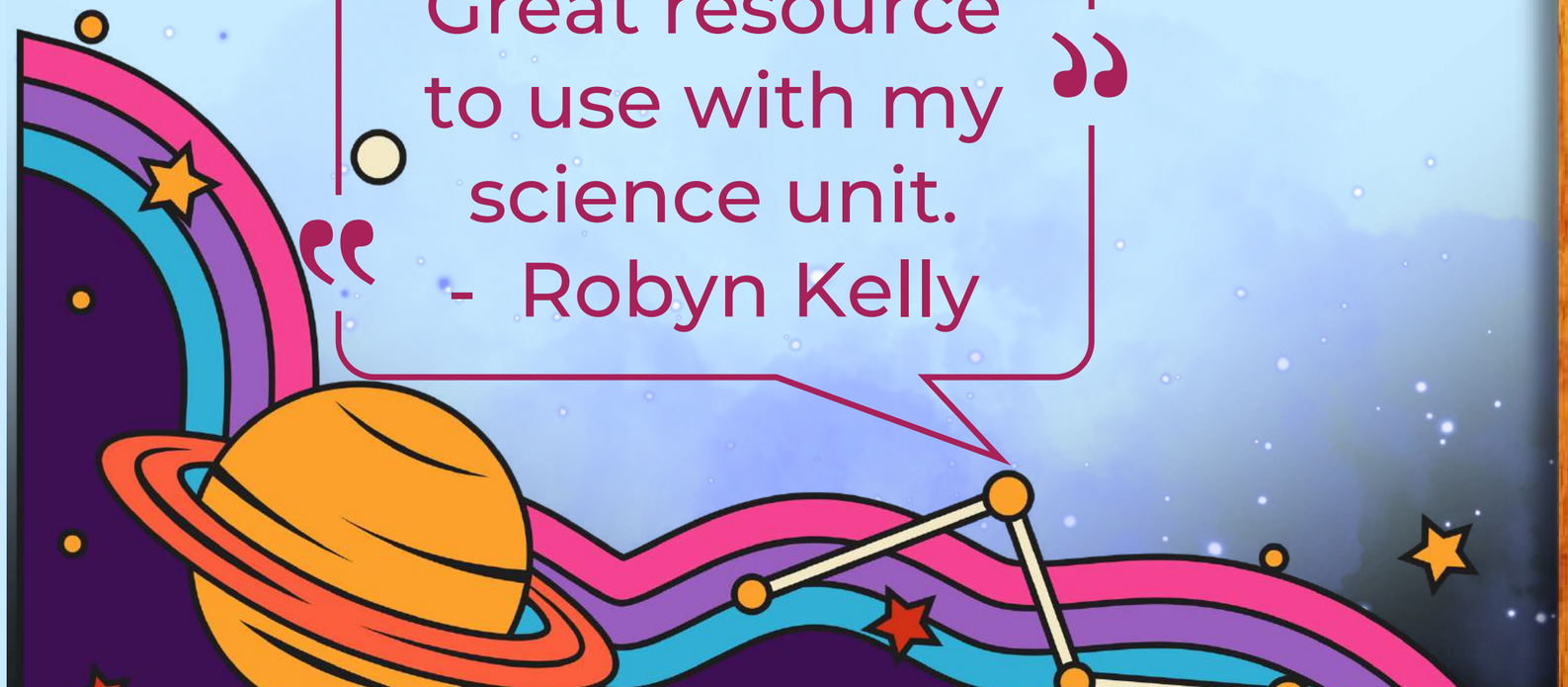
EXPLORE STAR BRIGHTNESS THROUGH READING AND DATA ANALYSIS.

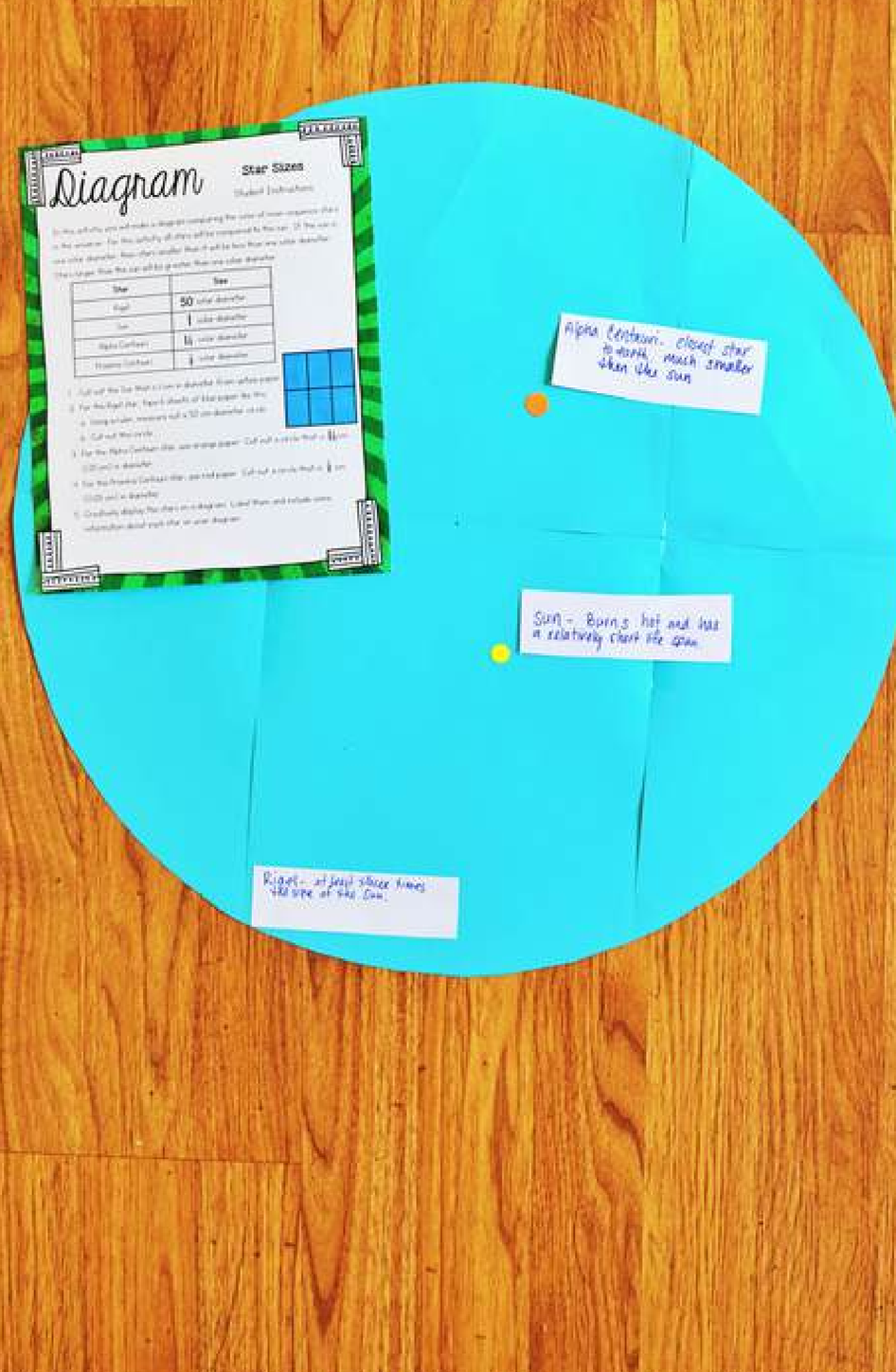
> “So many options to teach the concept.”
> - James K.

DIAGRAM STATION

CREATE DIAGRAMS COMPARING STAR SIZES USING PROVIDED DATA.

> Great resource to use with my science unit.
> - Robyn Kelly







READ STATION

INFORMATIONAL TEXT WITH COMPREHENSION QUESTIONS.

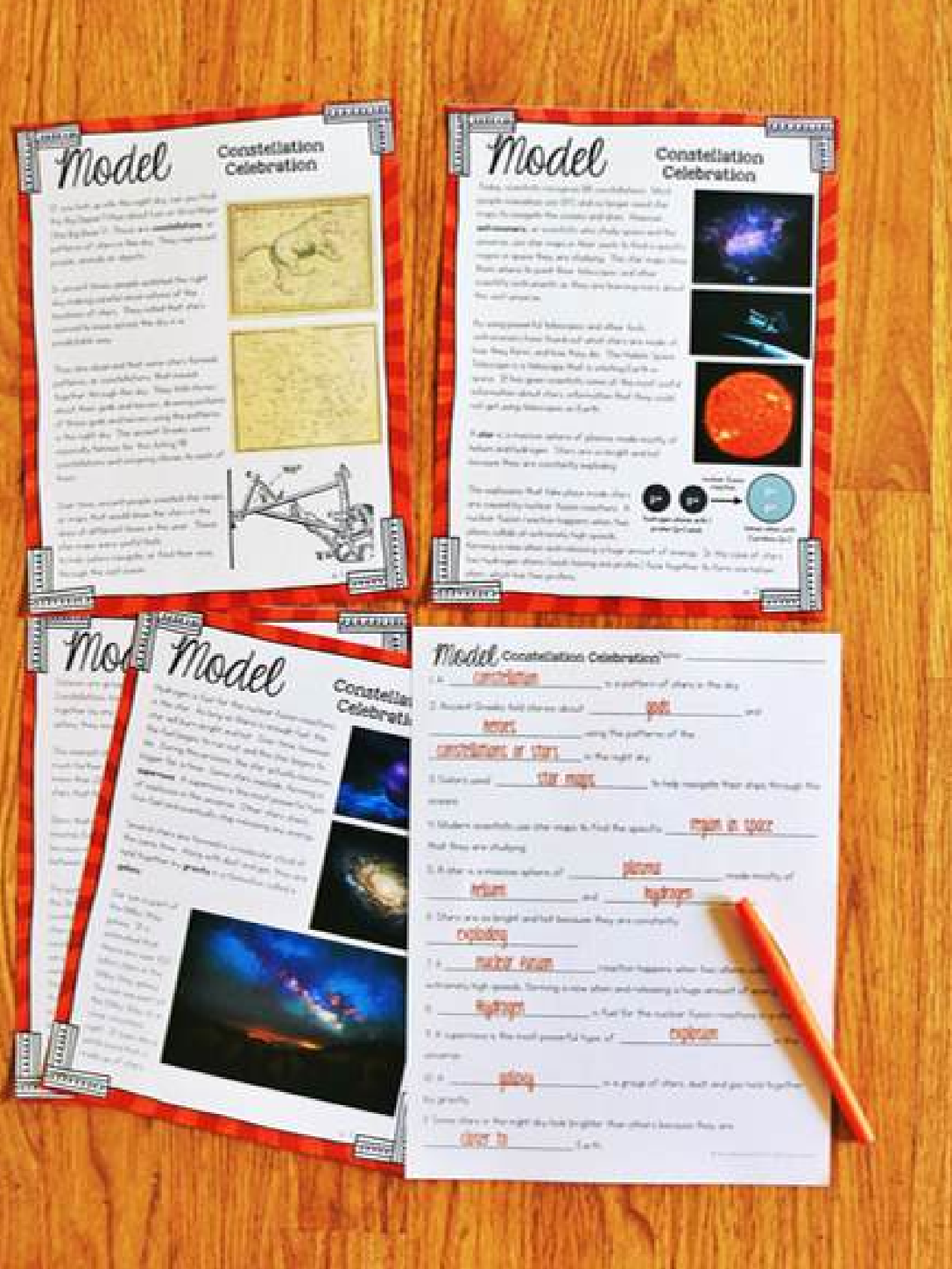
> I think I have officially purchased all of your 5th grade Science Bundles. They are the best!!!
> - Kerri P.

MODEL STATION

RESEARCH AND CREATE 3D CONSTELLATION MODELS.

> A series of fun and engaging activities for my students while they learn about the universe around them.
> - Robyn H.







EXPLORE STATION

LEARN THE HISTORY OF CONSTELLATIONS AND WRITE A MYTH.

> These passages and activities are exactly what I need to supplement the hands-on learning kits my district purchases.
> - Amye S.

SORT STATION

SORT STARS BY AGE USING TEXT-BASED EVIDENCE.

> This is a great resource for 5th grade! Our kids loved it.
> - Delia T.



WATCH • PLAY • INVESTIGATE • DIAGRAM • READ • MODEL • EXPLORE • SORT

UNIVERSE & STARS ACTIVITIES

SUGGESTED USES

Learning Stations

Use all eight stations or just a few as learning stations that students complete at their own pace.

Science Centers

Set up a rotation where students visit each center to complete the activities.

Whole Class

Use the activities in a whole class format.

Small Group

Use the activities with a small group who need extra help.

YOU WILL LOVE THIS BECAUSE



All-in-One Ecosystems Unit

This bundle provides a complete, ready-to-use unit, saving teachers hours of planning while delivering engaging, standards-aligned instruction across multiple lessons.



Direct NGSS Alignment

All activities support the NGSS standard 5-ESS1-1, helping students observe and measure properties to identify and classify materials.



Saves Teachers Valuable Time

With ready-to-use materials, digital options, and answer keys included, teachers can quickly implement engaging science instruction.

TEACHERS LOVE IT!

Its intuitive design makes it effortless to navigate, while its captivating content keeps students enthralled as the students delve into the mysteries of the cosmos...

Michelle Chamberlain



These resources are great. I have all the fourth grade level ones of this and my students love them. In Utah, this 5th grade NGSS standards is in fourth grade, so it was easy to integrate with what I was already doing. It is aligned with the standard.

AV F



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to get more resources!

My passion is making learning accessible to all students.
I love scaffolding learning, breaking down the concepts and building them up so that students can see the connections.
I love figuring out the small components that build up to the big ideas and helping students see it all.



teach MATH | teach SCIENCE | teach READING | teach WRITING

What I have LEARNED