

# THE WEATHER STUDENT NOTEBOOK

*A Meteorological Notebooking Adventure*



## ***Weather Student Notebook***

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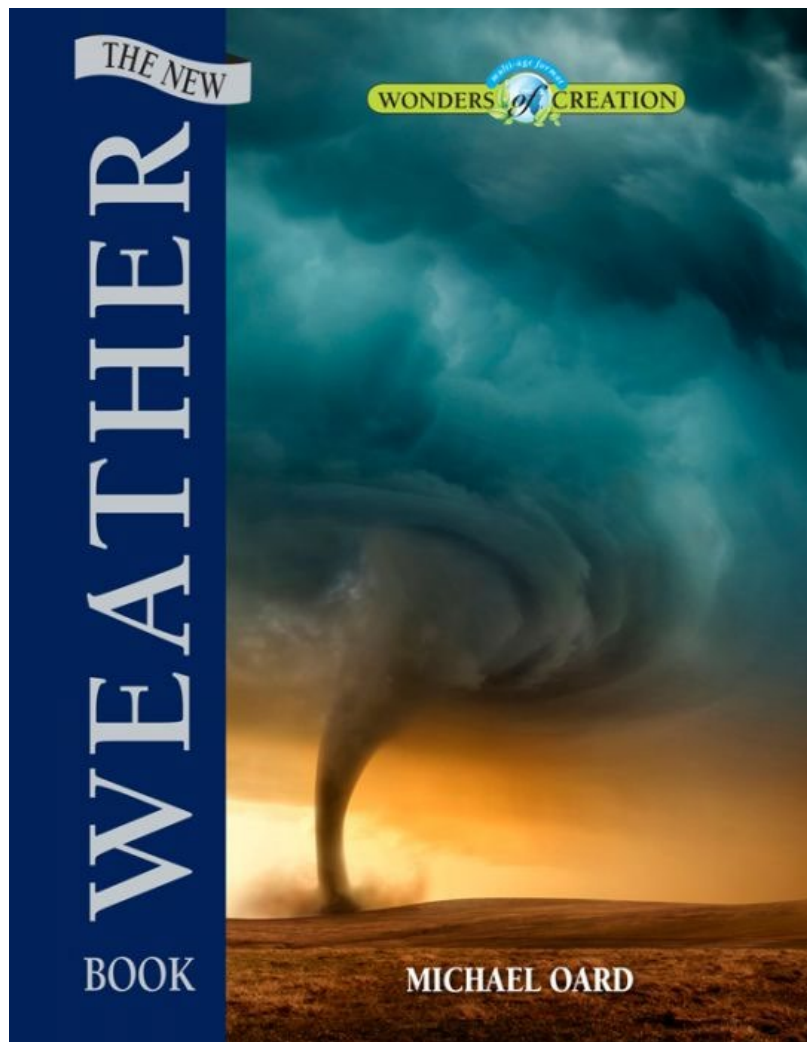
# THE WEATHER

## STUDENT NOTEBOOK

*A Meteorological Notebooking Adventure*

*The Weather Student Notebook – A Meteorological Notebooking Adventure* uses *The New Weather Book* by Master Books. This is a required book to effectively use this notebooking journal.

You can purchase the digital ebook or the hardback edition of *The New Weather Book* directly from Master Books or another retailer.



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### How to Use the Student Notebook

*The Weather Student Notebook* is geared toward upper-elementary and middle school students.

This student notebook accompanies *The New Weather Book*, which provides answers to all the comprehension questions as well as the pictures and charts that will be filled in, drawn, and/or labeled by the student throughout the notebook.

Links are included for additional research, vocabulary, and copywork on select topics in the form of free instant downloads.

This is a self-paced notebooking journal that can be spread out over a full school year or used as a supplement along with your science curriculum. Be sure to check your state's requirements if you plan to use this as a science curriculum.

There are eleven units in this book, some are much longer than others. If you want to use this as a full year of science, it is recommended that you use the additional research journals and supplemental materials included throughout the notebook.

# THE WEATHER

## STUDENT NOTEBOOK

*A Meteorological Notebooking Adventure*

### Unit 1 | God Created



#### Vocabulary

Your vocabulary words for this unit are below. Look up each word using the glossary at the back of *The New Weather Book* or online.

atmosphere

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axis

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carbon dioxide

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climate

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The atmosphere is composed of:

\_\_\_\_\_ % oxygen      \_\_\_\_\_ % argon

\_\_\_\_\_ % nitrogen      \_\_\_\_\_ % water vapor and carbon dioxide

What would happen to our bodies if there were more oxygen in the atmosphere?

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What else would happen to the environment with more oxygen?

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What would happen to our bodies if there were less oxygen?

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## STUDENT NOTEBOOK

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### What is weather?

Weather includes these nine factors:


How is air quality determined?

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The weather also depends on:

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# THE WEATHER

## STUDENT NOTEBOOK

*A Meteorological Notebooking Adventure*



### Copywork

Copy the selection below on the lines provided. Use your best handwriting.

*In the Northern Hemisphere, the Coriolis force steers motion to the right.*

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*In the Southern Hemisphere, the Coriolis force steers motion to the left.*

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### The Jet Stream

What is the jet stream?

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## STUDENT NOTEBOOK

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Draw the weather symbols that are often used on television:

Sunny	Partly Cloudy	Cloudy	Rain	Thunderstorms	Snow	Freezing Rain

Define the following terms and draw the symbol for each (found on page 13):

Symbol	Term
	Cold Front:
	Warm Front:
	Stationary Front:
	Occluded Front:

# THE WEATHER

## STUDENT NOTEBOOK

*A Meteorological Notebooking Adventure*

### Weather Forecasting



#### Guided Drawing

Download the free **Weather Forecasting Tools Guided Drawing** and learn more about weather forecasting tools. The URL is found in the appendix.

What three things can a weatherperson use to make a forecast?

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Explain how future weather is predicted.

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Name five things that weather people work from to predict weather.


# THE WEATHER

## STUDENT NOTEBOOK

*A Meteorological Notebooking Adventure*

Find a picture of each of the below weather forecasting tools online to print and paste below or draw it from looking at the book on page 15. Explain each in detail in the facts column.

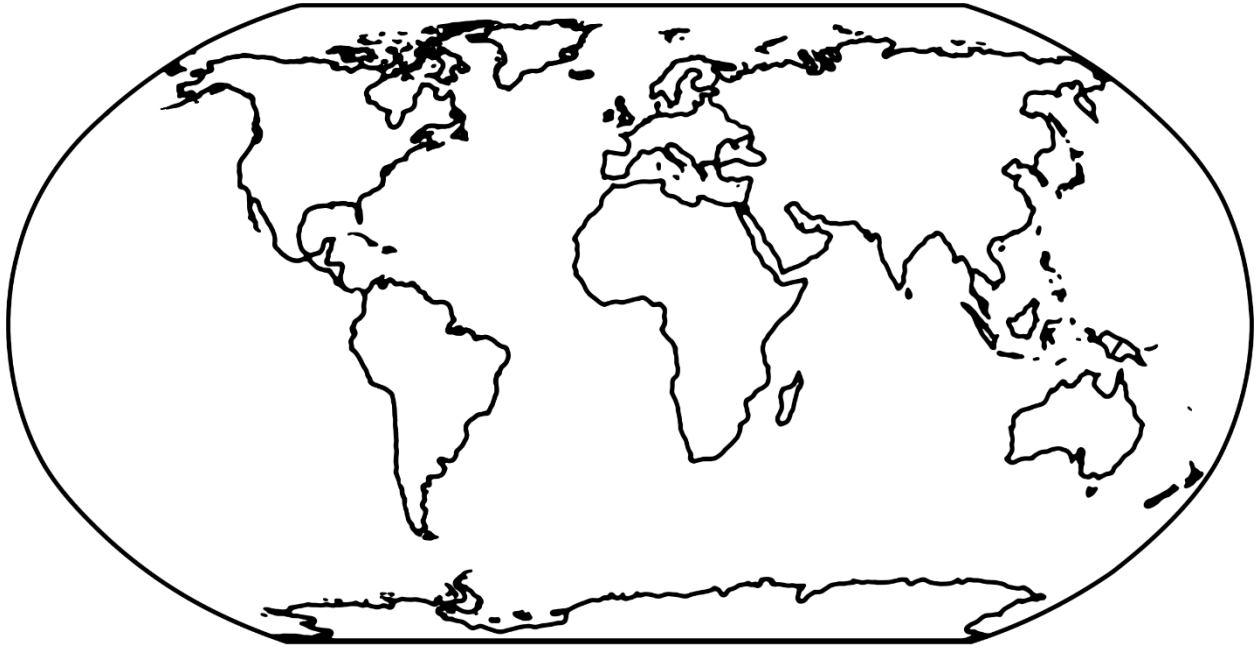
Weather Forecasting Tool	Facts
Satellite Pictures	
Doppler Radar	

# THE WEATHER

## STUDENT NOTEBOOK

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Using the globe of world climates on pages 16-17, color code the climates of the world and create a key. You can use the same colors or change them as you like.



World Climate Key (Copy the information found on page 16).

TROPICAL		CONTINENTAL	

DRY		POLAR	

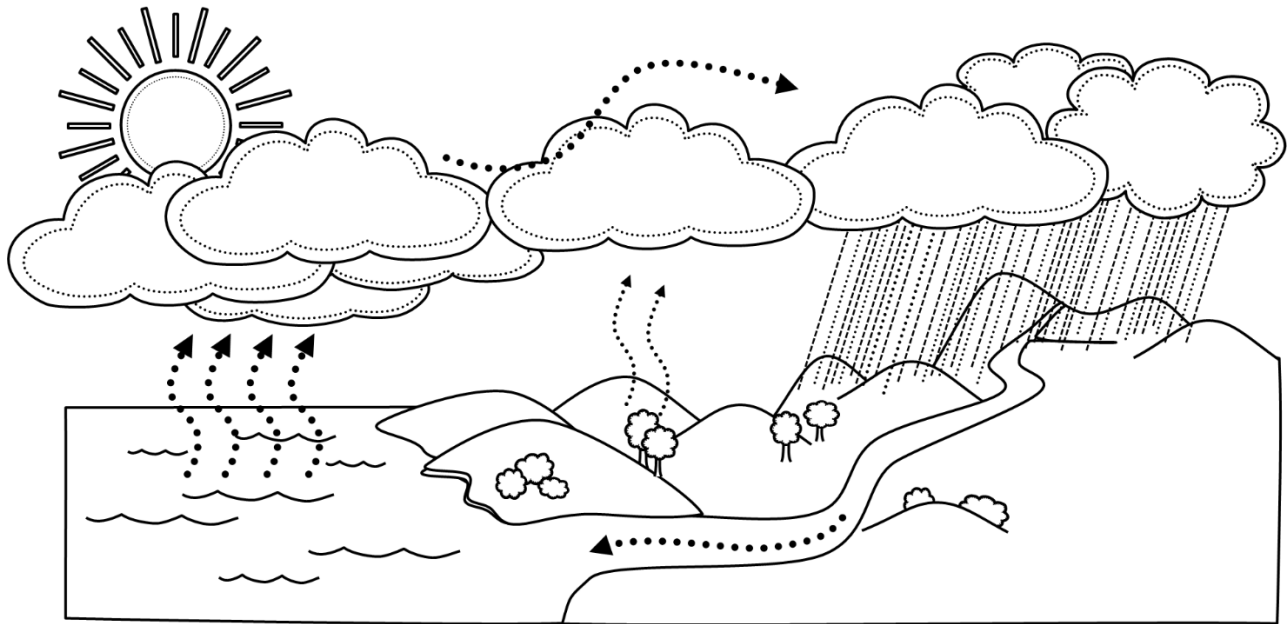
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### The Global Water Cycle

Label and color the water cycle as seen on page 21



Explain how the water cycle works:

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