Module 7
Exploring Creation With Physical Science, edition 1

Air mass - A large body of air with relatively uniform pressure, temperature, and humidity (173)
Aphelion - The point at which the earth is farthest from the sun (163)
Coriolis effect - The way in which the rotation of the earth bends the path of winds, sea currents, and objects that fly through different latitudes (170)
Perihelion - The point at which the earth is closest to the the sun (163)
Weather front - A boundary between two air masses (174)

Schedule
☐Read 157-160, draw and label fig. 7.2
☐Begin Experiment 7.1 - □ Weather Data
☐Read 162-166 - □ Weather Data
☐Read 166-170 - □ Weather Data
stop at Coriolis Effect
☐Continue reading 170-173 - □ Weather Data
*remember to get weather data over the weekend for ex7.1
☐Read 173-177 - □ Weather Data
☐Study Guide - □ Weather Data
☐Finish the Study Guide - □ Weather Data
☐Test - □ Weather Data
*remember to get weather data over the weekend for ex7.1
Notes:

Always do the On Your Own questions and check your work afterwards.
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Module 8
Exploring Creation With Physical Science, edition 1

Insulator - A substance that does not conduct electricity very well (189)
Updraft - A current of rising air (186)

Schedule
☐Read 183-185 - □ Weather Data
☐Read 185-through experiment 8.1 and do experiment - □ Weather Data
☐Read 188-191 - □ Weather Data
☐Read 191-195 - □ Weather Data
☐Read 195-199 - □ Weather Data
*remember to get weather data over the weekend for ex7.1
☐Read 199-200 Study your weather chart. Make a final weather observation today on that chart. - □ Weather Data
☐Do experiment 8.2
☐Study Guide. Take note of the weather and make a prediction for tomorrow's weather.
☐Complete the Study Guide. Take note of the weather and make a prediction for tomorrow's weather.
☐Test for module #8
Continue with the weather observations and predictions if it interests you..
Notes:

Always do the On Your Own questions and check your work afterwards.

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Module 9
Exploring Creation With Physical Science, edition 1

Study all examples.
Acceleration - The time rate of change of an object's velocity (216)
Free fall - The state of an object that is falling toward the earth with nothing inhibiting its fall (221)
Reference point - A point against which position is measured (206)
Scalar quantity - A physical measurement that does not contains directional information (210)
Vector quantity - A physical measurement that contains directional information (210)

Schedule
Some segments take more than one day.
☐Read 205-209. Study example 9.1
☐Read 209-214-- Spread this work over two days. Do experiment 9.1, study example 9.2
☐Read 214-220-- Over the next three days, study examples 9.3, 9.4, 9.5
☐Read 220.
☐Read 220-224 Do experiment 9.2, study example 9.6
☐Read 224-226 Do experiment 9.3.
☐Study
☐Test

$$\text{speed} = \frac{\text{distance}}{\text{time}}$$

$$\text{acceleration} = \frac{\text{final velocity - initial velocity}}{\text{time}}$$

$$\text{distance} = \frac{1}{2}(\text{acceleration})(\text{time})^2$$

Notes:

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