

# Physical Science Curriculum

## Unit Sequence

| SEMESTER ONE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | SEMESTER TWO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Unit 1: Scientific Method</b> <ul style="list-style-type: none"><li>• Lab Basics: Safety and equipment</li><li>• Measurement</li><li>• Dimensional analysis and scientific notation</li><li>• Scientific method</li></ul> <b>Unit 2: Motion and Force</b> <ul style="list-style-type: none"><li>• Describing motion</li><li>• Acceleration</li><li>• Newton's laws</li></ul> <b>Unit 3: Energy</b> <ul style="list-style-type: none"><li>• Nature of energy</li><li>• Conservation of energy</li><li>• Thermal energy</li><li>• Work and power</li></ul> <b>Unit 4: Electricity and Magnetism</b> <ul style="list-style-type: none"><li>• Charge</li><li>• Current</li><li>• Circuits</li><li>• Magnets</li></ul> <b>Unit 5: Waves</b> <ul style="list-style-type: none"><li>• Nature and properties of waves</li><li>• Behaviors of waves</li><li>• Electromagnetic spectrum</li></ul> | <b>Unit 6: Matter</b> <ul style="list-style-type: none"><li>• Classification of matter</li><li>• Properties of matter</li><li>• States of matter</li><li>• Solutions</li></ul> <b>Unit 7: Atomic Structure</b> <ul style="list-style-type: none"><li>• Structure of the atom</li><li>• Isotopes</li><li>• Periodic table of elements</li></ul> <b>Unit 8: Bonding</b> <ul style="list-style-type: none"><li>• Stability and bonding</li><li>• Naming ionic compounds</li><li>• Naming covalent compounds</li></ul> <b>Unit 9: Reactions</b> <ul style="list-style-type: none"><li>• Balancing reactions</li><li>• Classifying reactions</li><li>• Energy in reactions</li><li>• Acids and bases (if time)</li><li>• Nuclear chemistry (if time)</li></ul> |

# Grade Physical Science

**Clemens Wendtner**



## **Grade Physical Science:**

## The Enigmatic Realm of **Grade Physical Science**: Unleashing the Language is Inner Magic

In a fast-paced digital era where connections and knowledge intertwine, the enigmatic realm of language reveals its inherent magic. Its capacity to stir emotions, ignite contemplation, and catalyze profound transformations is nothing lacking extraordinary. Within the captivating pages of **Grade Physical Science** a literary masterpiece penned by a renowned author, readers set about a transformative journey, unlocking the secrets and untapped potential embedded within each word. In this evaluation, we shall explore the book's core themes, assess its distinct writing style, and delve into its lasting affect the hearts and minds of those who partake in its reading experience.

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table of content next page enhancement adds code to the application data classes to integrate them with jdo as a result of enhancement the enhanced class implements the persistencecapable interface when jdo acts on an application data object it acts on it as a persistencecapable object

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object fields are accessed by their name you must use a name that is unambiguous you may use a simple name for a field within its own class for example we can add a statement within the rectangle class that prints the width and height system out println width and height are width height in this case width and height are

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using transient application data objects and objects of classes that are not persistence capable for parameter values is not portable across jdo implementations declaring the query s variables the query interface provides a method to declare

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in order to provide persistent services for the application s data objects jdo must manage the objects within a java virtual machine jvm jdo manages some objects and does not manage other objects if jdo manages an object it manages its persistent state or its transactional state or both

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