



Praxis II General Science (0430,0431,0432,0435) Learning Path Coverage Map

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Introduction

PLATO® content has been matched to the scope of knowledge covered in the Praxis II General Science (0430,0431,0432,0435) Learning Path. In addition, content experts have organized PLATO content in an instructionally sound way that enhances instructional effectiveness. This document identifies PLATO instructional activities that are aligned to the Praxis II General Science (0430,0431,0432,0435) Learning Path.

The following PLATO courseware was used to create the Praxis II General Science (0430,0431,0432,0435) Learning Path:

- Biology Series

- Chemistry Series

- Data Skills

- Earth and Space Science

- Geometry 1

- Life Science

- Physical Science



Praxis II General Science (0430,0431,0432,0435) Learning Path

Basic Principles of Science

Matter and Energy

Understanding and Measuring Matter

Understanding and Measuring Matter: Lesson

Understanding and Measuring Matter: Application

Understanding and Measuring Matter: Test

Physical and Chemical Properties of Matter

Physical and Chemical Properties of Matter: Lesson

Physical and Chemical Properties of Matter: Application

Physical and Chemical Properties of Matter: Test

States of Matter

States of Matter: Lesson

States of Matter: Application

States of Matter: Test

Heat and Thermodynamics

Heat

Heat: Lesson

Heat: Application

Heat: Test

Math, Measurement and Data Manipulation

A. Measurement

Metric Measurement

Metric Measurement: Tutorial

Metric Measurement: Application

Metric Measurement: Mastery Tests

Metric Measurement: Mastery Test 1



Metric Measurement: Mastery Test 2

Area, Part 1

Area, Part 1: Tutorial

Area, Part 1: Application

Area, Part 1: Mastery Tests

Area, Part 1: Mastery Test 1

Area, Part 1: Mastery Test 2

Area, Part 2

Area, Part 2: Tutorial

Area, Part 2: Application

Area, Part 2: Mastery Tests

Area, Part 2: Mastery Test 1

Area, Part 2: Mastery Test 2

Area, Part 2: Mastery Test 3

Volume

Volume: Tutorial

Volume: Application

Volume: Mastery Tests

Volume: Mastery Test 1

Volume: Mastery Test 2

Using Measurement

Using Measurement: Tutorial

Using Measurement: Application

Using Measurement: Mastery Tests

Using Measurement: Mastery Test 1

Using Measurement: Mastery Test 2

B. Data Skills

Reading Graphical Data

Reading Pie Charts

Reading Pie Charts: Tutorial

Reading Pie Charts: Application

Reading Pie Charts: Mastery Tests

Reading Pie Charts: Mastery Test 1

Reading Pie Charts: Mastery Test 2

Introduction to Line Graphs

Introduction to Line Graphs: Tutorial

Introduction to Line Graphs: Application

Introduction to Line Graphs: Mastery Tests

Introduction to Line Graphs: Mastery Test 1

Introduction to Line Graphs: Mastery Test 2

Reading Line Graphs

Reading Line Graphs: Tutorial

Reading Line Graphs: Application

Reading Line Graphs: Mastery Test 1

Introduction to Bar Graphs

Introduction to Bar Graphs: Tutorial

Introduction to Bar Graphs: Application

Introduction to Bar Graphs: Mastery Tests

Introduction to Bar Graphs: Mastery Test 1

Introduction to Bar Graphs: Mastery Test 2

Reading Bar Graphs

Reading Bar Graphs: Tutorial

Reading Bar Graphs: Application

Reading Bar Graphs: Mastery Test

Introduction to Data in Tables

Introduction to Data in Tables: Tutorial

Introduction to Data in Tables: Application

Introduction to Data in Tables: Mastery Tests

Introduction to Data in Tables: Mastery Test 1

Introduction to Data in Tables: Mastery Test 2

Reading Data In Tables

Reading Data In Tables: Tutorial

Reading Data In Tables: Application

Reading Data In Tables: Mastery Test

Introduction to Flowcharts

Introduction to Flowcharts: Tutorial

Introduction to Flowcharts: Application

Introduction to Flowcharts: Mastery Tests

Introduction to Flowcharts: Mastery Test 1

Introduction to Flowcharts: Mastery Test 2

Computing Graphical Data

Graphing and Charting

Graphing and Charting: Tutorial

Graphing and Charting: Application

Graphing and Charting: Mastery Test

Tables

Tables: Tutorial

Tables: Application

Tables: Mastery Test

Using Pictographs

Using Pictographs: Tutorial

Using Pictographs: Application

Using Pictographs: Mastery Test

Using Line Graphs

Using Line Graphs: Tutorial

Using Line Graphs: Application

Using Line Graphs: Mastery Test

Using Bar Graphs

Using Bar Graphs: Tutorial

Using Bar Graphs: Application

Using Bar Graphs: Mastery Test

Using Pie Charts

Using Pie Charts: Tutorial

Using Pie Charts: Application

Using Pie Charts: Mastery Test

Using Histograms

Using Histograms: Tutorial

Using Histograms: Application

Using Histograms: Mastery Test

Reading Complex Charts and Graphs

Reading Histograms

Reading Histograms: Tutorial

Reading Histograms: Application

Reading Histograms: Mastery Test

Reading Complex Tables

Reading Complex Tables: Tutorial

Reading Complex Tables: Application

Reading Complex Tables: Mastery Test

Reading Complex Flowcharts

Reading Complex Flowcharts: Tutorial

Reading Complex Flowcharts: Application

Reading Complex Flowcharts: Mastery Test

Constructing Graphs and Charts

Constructing Line Graphs

Constructing Line Graphs: Tutorial

Constructing Line Graphs: Application

Constructing Line Graphs: Mastery Test

Constructing Pie Charts

Constructing Pie Charts: Tutorial

Constructing Pie Charts: Application

Constructing Pie Charts: Mastery Test

Constructing Bar Graphs

Constructing Bar Graphs: Tutorial

Constructing Bar Graphs: Application

Constructing Bar Graphs: Mastery Test

Constructing Histograms

Constructing Histograms: Tutorial

Constructing Histograms: Application

Constructing Histograms: Mastery Test

Selecting Graphs and Charts

Selecting Graphs and Charts: Tutorial

Selecting Graphs and Charts: Application

Selecting Graphs and Charts: Mastery Test

Life Science

The Cell

What is Life?

What is Life?: Lesson

What is Life?: Application

What is Life?: Test

The Chemistry of Living Cells

The Chemistry of Living Cells: Lesson

The Chemistry of Living Cells: Application

The Chemistry of Living Cells: Test

Similarities in Cell Structures and Functions

Similarities in Cell Structures and Functions: Lesson

Similarities in Cell Structures and Functions: Application

Similarities in Cell Structures and Functions: Test

Differences and Specialization in Cells

Differences and Specialization in Cells: Lesson

Differences and Specialization in Cells: Application

Differences and Specialization in Cells: Test

Cellular Processes

Cellular Processes: Lesson

Cellular Processes: Application

Cellular Processes: Test

Meiosis

Meiosis: Tutorial

Meiosis: Application

Meiosis: Mastery Test

Diversity of Life

Classifying Life

Classifying Life: Lesson

Classifying Life: Application

Classifying Life: Test

Bacteria, Protists, and Fungi

Bacteria, Protists, and Fungi: Lesson

Bacteria, Protists, and Fungi: Application

Bacteria, Protists, and Fungi: Test

Viruses and Bacteria (Biology Series)

Viruses and Bacteria (Biology Series): Tutorial

Viruses and Bacteria (Biology Series): Application

Viruses and Bacteria (Biology Series): Mastery Test

Plants

The Plant Kingdom

The Plant Kingdom: Lesson

The Plant Kingdom: Application

The Plant Kingdom: Test

The Leaf

The Leaf: Tutorial

The Leaf: Application

The Leaf: Mastery Test

Roots and Stems

Roots and Stems: Tutorial

Roots and Stems: Application

Roots and Stems: Mastery Test

Non-Flowering Plants

Non-Flowering Plants: Tutorial

Non-Flowering Plants: Application

Non-Flowering Plants: Mastery Test



Flowering Plants

Flowering Plants: Tutorial

Flowering Plants: Application

Flowering Plants: Mastery Test

Animal Kingdom

The Animal Kingdom

The Animal Kingdom: Lesson

The Animal Kingdom: Application

The Animal Kingdom: Test

Levels of Organization

Levels of Organization: Lesson

Levels of Organization: Application

Levels of Organization: Test

Structure and Function of Tissues and Organs

Structure and Function of Tissues and Organs: Lesson

Structure and Function of Tissues and Organs: Application

Structure and Function of Tissues and Organs: Test

Organ Systems

Organ Systems: Lesson

Organ Systems: Application

Organ Systems: Test

Genetics

Mendel's Principles of Heredity

Mendel's Principles of Heredity: Tutorial

Mendel's Principles of Heredity: Application

Mendel's Principles of Heredity: Mastery Test

Investigating Heredity

Investigating Heredity: Tutorial

Investigating Heredity: Application

Investigating Heredity: Mastery Test

DNA: The Molecule of Life

DNA: The Molecule of Life: Tutorial

DNA: The Molecule of Life: Application

DNA: The Molecule of Life: Mastery Test

From DNA to Protein

From DNA to Protein: Tutorial

From DNA to Protein: Application

From DNA to Protein: Mastery Test

Genetic Engineering

Genetic Engineering: Tutorial

Genetic Engineering: Application

Genetic Engineering: Mastery Test

Genetic Variation and Biotechnology

Genetic Variation and Biotechnology: Lesson

Genetic Variation and Biotechnology: Application

Genetic Variation and Biotechnology: Test

Evolution

Evolution (Biology Series)

Evolution (Biology Series): Tutorial

Evolution (Biology Series): Application

Evolution (Biology Series): Mastery Test

Evolution and Natural Selection

Evolution and Natural Selection: Lesson

Evolution and Natural Selection: Application



Evolution and Natural Selection: Test

Ecology

The Biosphere

The Biosphere: Tutorial

The Biosphere: Application

The Biosphere: Mastery Test

Biomes

Biomes: Tutorial

Biomes: Application

Biomes: Mastery Test

Food Chains and Webs

Food Chains and Webs: Tutorial

Food Chains and Webs: Application

Food Chains and Webs: Mastery Test

Human Impacts on the Environment

Human Impacts on the Environment: Tutorial

Human Impacts on the Environment: Application

Human Impacts on the Environment: Mastery Test

Population Ecology

Population Ecology: Tutorial

Population Ecology: Application

Population Ecology: Mastery Test

Chemistry Series

Introductory Chemistry

Introduction to Chemistry (Chemistry Series)

Introduction to Chemistry (Chemistry Series): Tutorial

Introduction to Chemistry (Chemistry Series): Application

Introduction to Chemistry (Chemistry Series): Mastery Test

Atomic Structure

Atomic Structure: Tutorial

Atomic Structure: Application

Atomic Structure: Mastery Test

Electronic Structure

Electronic Structure: Tutorial

Electronic Structure: Application

Electronic Structure: Mastery Test

Periodic Table and Trends

Periodic Table and Trends: Tutorial

Periodic Table and Trends: Application

Periodic Table and Trends: Mastery Test

Naming Chemical Compounds

Naming Chemical Compounds: Tutorial

Naming Chemical Compounds: Application

Naming Chemical Compounds: Mastery Test

Properties of Acids, Bases and Salts

Properties of Acids, Bases and Salts: Tutorial

Properties of Acids, Bases and Salts: Application

Properties of Acids, Bases and Salts: Mastery Test

Bonding I

Bonding I: Tutorial

Bonding I: Application

Bonding I: Mastery Test

Bonding II

Bonding II: Tutorial

Bonding II: Application

Bonding II: Mastery Test

Gases & Their Properties

Gases & Their Properties: Tutorial

Gases & Their Properties: Application

Gases & Their Properties: Mastery Test

Solutions

Solutions: Tutorial

Solutions: Application

Solutions: Mastery Test

Chemical Transformations

Chemical Reactions

Chemical Reactions: Tutorial

Chemical Reactions: Application

Chemical Reactions: Mastery Test

Formulas, Equations, & Stoichiometry

Formulas, Equations, & Stoichiometry: Tutorial

Formulas, Equations, & Stoichiometry: Application

Formulas, Equations, & Stoichiometry: Mastery Test

Chemical Equilibrium

Chemical Equilibrium: Tutorial

Chemical Equilibrium: Application

Chemical Equilibrium: Mastery Test

Solubility & Precipitation

Solubility & Precipitation: Tutorial

Solubility & Precipitation: Application

Solubility & Precipitation: Mastery Test



Reaction Rates

Reaction Rates: Tutorial

Reaction Rates: Application

Reaction Rates: Mastery Test

States of Matter

States of Matter: Tutorial

States of Matter: Application

States of Matter: Mastery Test

Physical Science

Electricity and Magnetism

Electricity, Circuits, and Power

Electricity, Circuits, and Power: Lesson

Electricity, Circuits, and Power: Application

Electricity, Circuits, and Power: Test

Magnetism and Electromagnetism

Magnetism and Electromagnetism: Lesson

Magnetism and Electromagnetism: Application

Magnetism and Electromagnetism: Test

Waves

Properties of Sound and Light

Properties of Sound and Light: Lesson

Properties of Sound and Light: Application

Properties of Sound and Light: Test

The Behavior of Sound and Light

The Behavior of Sound and Light: Lesson

The Behavior of Sound and Light: Application

The Behavior of Sound and Light: Test

Mechanics

Motion

Motion: Lesson

Motion: Application

Motion: Test

Newton's Laws: Forces and Motion

Newton's Laws: Forces and Motion: Lesson

Newton's Laws: Forces and Motion: Application

Newton's Laws: Forces and Motion: Test

Work and Simple Machines

Work and Simple Machines: Lesson

Work and Simple Machines: Application

Work and Simple Machines: Test

Earth and Space Science

Physical Geology

Looking at Earth's Features

Earth's Composition

Earth's Composition: Lesson

Earth's Composition: Application

Earth's Composition: Test

Supporting Life: Earth's Surface and Landforms

Supporting Life: Earth's Surface and Landforms: Lesson

Supporting Life: Earth's Surface and Landforms: Application

Supporting Life: Earth's Surface and Landforms: Test

The Energetic Earth

Plate Tectonics and Earth Movements

Plate Tectonics and Earth Movements: Lesson

Plate Tectonics and Earth Movements: Application

Plate Tectonics and Earth Movements: Test

Earthquakes

Earthquakes: Lesson

Earthquakes: Application

Earthquakes: Test

Volcanoes

Volcanoes: Lesson

Volcanoes: Application

Volcanoes: Test

Rocks and Soil

Rocks and The Rock Cycle

Rocks and The Rock Cycle: Lesson

Rocks and The Rock Cycle: Application

Rocks and The Rock Cycle: Test

Weathering, Soil, and Erosion

Weathering, Soil, and Erosion: Lesson

Weathering, Soil, and Erosion: Application

Weathering, Soil, and Erosion: Test

Water in Our World

The Cycle and Movements of Water

The Cycle and Movements of Water: Lesson

The Cycle and Movements of Water: Application

The Cycle and Movements of Water: Test

Fresh Water

Fresh Water: Lesson

Fresh Water: Application



Fresh Water: Test

Oceanography

The Oceans

The Oceans: Lesson

The Oceans: Application

The Oceans: Test

Meteorology

The Atmosphere

The Atmosphere: Lesson

The Atmosphere: Application

The Atmosphere: Test

Weather

Weather: Lesson

Weather: Application

Weather: Test

Climate

Climate: Lesson

Climate: Application

Climate: Test

Astronomy

The Solar System

The Solar System: Lesson

The Solar System: Application

The Solar System: Test

The Sun, Earth, and Moon

The Sun, Earth, and Moon: Lesson

The Sun, Earth, and Moon: Application



The Sun, Earth, and Moon: Test

Space: Stars, Galaxies, and the Universe

Space: Stars, Galaxies, and the Universe: Lesson

Space: Stars, Galaxies, and the Universe: Application

Space: Stars, Galaxies, and the Universe: Test

Historical Geology

Fossils and the Geologic Time Scale

Fossils and the Geologic Time Scale: Lesson

Fossils and the Geologic Time Scale: Application

Fossils and the Geologic Time Scale: Test

Science, Technology, and Society

Genetic Variation and Biotechnology

Genetic Variation and Biotechnology: Lesson

Genetic Variation and Biotechnology: Application

Genetic Variation and Biotechnology: Test

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