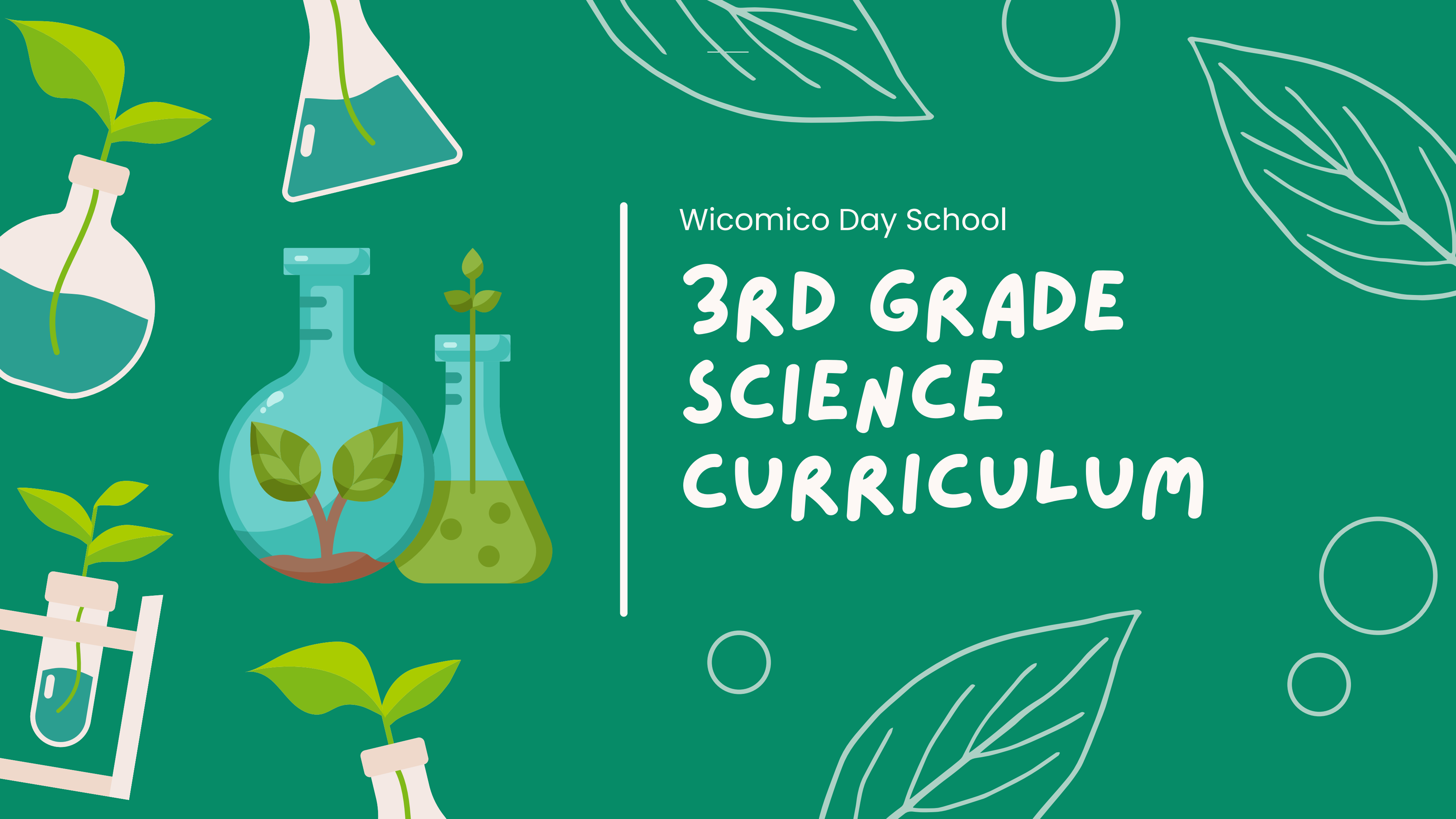


3RD GRADE SCIENCE CURRICULUM





EXPLORING OUR SOLAR SYSTEM

- Describing what scientists do
- Identifying objects in our solar system
- Describing characteristics of the Sun
- Showing the Earth's movement on its axis
- Identifying the cause of day and night on Earth
- Describing and showing the Earth's movement around the Sun
- Identifying the causes of the Earth's seasons
- Describing and showing the Moon's movement around Earth
- Describing the characteristics of the Moon
- Identifying characteristics of the Moon
- Identifying the role of astronauts in outer space exploration
- Identifying and describing a new and a full Moon
- Identifying the phases of the Moon
- Identifying and describing the planets in our solar system
- Comparing the number of moons of each planet
- Comparing the amount of time it takes each planet to rotate once





EXPLORING OUR SOLAR SYSTEM

- Identifying the inner and outer planets
 - Describing asteroids and the asteroid belt
 - Describing the relative distances of the planets from the Sun
 - Identifying characteristics of terrestrial planets and gas giants
 - Comparing terrestrial planets and gas giants
 - Comparing the amount of time it takes each planet to orbit the Sun
 - Identifying characteristics of comets
 - Identifying the characteristics of meteoroids, meteors, and meteorites
 - Identifying the effects of meteors on Earth
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INVESTIGATING ELEMENTS AND COMPOUNDS



- Identifying the building blocks of the universe: elements
 - Locating information on the Periodic Table of the Elements
 - Classifying elements on the Periodic Table of the Elements as solids, liquids, or gases
 - Identifying elements our bodies require to be healthy
 - Identifying mineral nutrients in packaged foods and drinks
 - Identifying the seven most common elements in the universe
 - Identifying the characteristics of a compound
 - Identifying the elements that combine to make a compound
 - Identifying the characteristics of atoms and molecules
 - Identifying the number of atoms of each element in a Compound
 - Observing how heat creates a chemical change
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OBSERVING PHYSICAL CHANGES

- Observing and comparing physical and chemical changes
 - Describing the characteristics of matter
 - Measuring the mass of solids
 - Measuring the volume of solids and liquids
 - Describing physical properties of matter
 - Describing the characteristics of solids, liquids, and gases
 - Describing and demonstrating the movement of molecules in solids, liquids, and gases
 - Measuring temperature using a thermometer
 - Observing and measuring the changes in temperatures of hot water and ice water over time
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MAKING A LINE GRAPH TO RECORD DATA



- Drawing conclusions from data shown on a line graph
- Exploring the equalization of temperatures
- Observing and describing a physical change: melting and freezing
- Observing and describing a physical change: vaporization
- Conducting an evaporation experiment
- Observing and describing a physical change: condensation





INVESTIGATING CHANGES IN OUR ATMOSPHERE

- Identifying what meteorologists do
 - Identifying the composition of the planets' atmospheres
 - Identifying the layers of the Earth's atmosphere and the characteristics of each
 - Describing the water cycle
 - Identifying and describing types of clouds
 - Identifying wind direction
 - Estimating wind speed
 - Collecting and recording weather data
 - Describing the characteristics of tornadoes
 - Describing the characteristics of hurricanes and typhoons
 - Identifying sources of water and air pollution
 - Identifying ways to avoid polluting the environment
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