

GMA Middle School Curriculum Map

	Cycle 5 Transformation September - October	Cycle 6 Justice November - January	Cycle 7 Balance February - March	Cycle 8 Sense of Belonging April - May
Science	<ul style="list-style-type: none"> - Atoms and Molecules - Measurements and Units - The Metric System - Manipulating Units - Converting Between Units - Concentration - The Air and Humidity - The Composition of Air - Carbon Dioxide in the Air - Global Warming - Ozone - Air Pollution - Atmospheric Pressure - The Layers of Earth's Atmosphere - The Temperature Gradient - The "Hole" in the Ozone Layer - The Heterosphere - The Composition of Water - Chemical Formulas - Water's Polarity - Water as a Solvent - Hydrogen Bonding in Water - Water's Cohesion - Hard and Soft Water 	<ul style="list-style-type: none"> - Precipitation - The Ocean - Glaciers and Icebergs - Groundwater and Soil Moisture - Surface Water - Atmospheric Moisture - Water Pollution - Factors That Influence Weather - Clouds - Earth's Thermal Energy - Latitude and Longitude - Thermal Energy Distribution - Air Masses - Precipitation - Thunderstorms - Tornadoes and Hurricanes - Weather Maps and Weather Prediction 	<ul style="list-style-type: none"> - Space" Theory of Gravity - A Brief History of Our View of the Solar System - James Clerk Maxwell - The Electromagnetic Force - Photons and the Electromagnetic Force - How Objects Become Electrically Charged - Electrical Circuits - Resistance - Switches and Circuits - Series and Parallel Circuits - Magnetism - Permanent Magnets - The Structure of the Atom - The Periodic Chart of the Elements - The Strong Nuclear Force - Radioactivity - The Dangers of Radioactivity - The Rate of Radioactive Decay - Radioactive Dating 	<ul style="list-style-type: none"> - Waves - Sound Waves - The Speed of Sound - The Speed of Sound in Other Substances - Sound Wavelength and Frequency - The Doppler Effect - The Volume of Sound - Uses of Sound Waves - The Dual Nature of Light - Wavelength and Frequency of Light - Reflection - Refraction - An Introduction to Astrophysics - Lenses - The Human Eye - How We Perceive Color - Adding and Subtracting Colors - The Sun - Nuclear Energy - Variable Stars - Measuring the Distance to Stars - Galaxies - An Expanding Universe
Social Studies	<ul style="list-style-type: none"> - Foundation of American - Westminster Confession of Faith - Pilgrim's Progress - Of Plymouth Plantation - The Social Contract - Foundational American Documents - Declaration of Independence 	<ul style="list-style-type: none"> - Articles of the Confederation - United States Constitution - Federalist AntiFederalist Papers - <i>A Tale of Two Cities</i> - Defining Equality 	<ul style="list-style-type: none"> - Reflections on the Revolution in France - Uncle Tom's Cabin - Lincoln's Speeches - Slave Narratives - Narratives required - Communist Manifesto - Treaty of Versailles - Text of the treaty 	<ul style="list-style-type: none"> - Woodrow Wilson's 14 Points - The Great Gatsby - Mein Kampf - Philemon - Epistles of John - Epistles of Peter and Jude - Nineteen Eighty-Four - Daniel

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Math	<ul style="list-style-type: none"> - Real Numbers system - Adding and Subtracting Integers - Multiplying and Dividing Integers - Powers and Roots - Computation of Rational Numbers - Percent Applications - Scientific Notation 	<ul style="list-style-type: none"> - Equations, Inequalities - Linear Equations - Solving Two step equations - Slope as a rate of change - Writing and solving equations - Solving and Graphing inequalities - Equations and change - Ratios - Proportions 	<ul style="list-style-type: none"> - Geometry - Angle Pairs - Two Dimensional Figures - Angle and Polygons - Exploring transformations - Transformations - Proportional reasoning - Using Scale - Similar Figures - The Pythagorean Theorem - Constructions 	<ul style="list-style-type: none"> - Three Dimensional Geometry - Volume of Surface area of rectangular prisms - Sketching Solids - Volume - Surface Area - Changing Dimensions - Data and Probability - Data Displays - Bivariate Data - Interpreting Bivariate Data Displays - One stage Probability Experiments - Additional role of Probability
LA	<ul style="list-style-type: none"> - Sentence analysis/diagramming - Sentence structure 	<ul style="list-style-type: none"> - Word usage and action 	<ul style="list-style-type: none"> - Writing development - Writing letters 	<ul style="list-style-type: none"> - Poetry - Expressions in writing
Logic	<ul style="list-style-type: none"> - The beginnings of logic - What is logic - Inference and Opinion 	<ul style="list-style-type: none"> - Moving through reasoning - logical planning 	<ul style="list-style-type: none"> - Fallacies - Balancing reasoning and arguments 	<ul style="list-style-type: none"> - Belonging
Erdkinder/ Practical Life	<ul style="list-style-type: none"> - Soil compost pile - Soil and Farming - Fishing - Backyard chickens - Micro Business Fundraiser 	<ul style="list-style-type: none"> - Soil churning - Winterizing - Landscape Planning - Cooking 	<ul style="list-style-type: none"> - - Insects and our garden - Survival skills 	<ul style="list-style-type: none"> - The moon and planting - Independent excursion - Sense of Belonging - Garden - Animal management - Micro business
Excursions	Cody Museum/ Rivers	Water Plant / NOAA?		National Monument
Latin	- Word Study	- Word Study	- Word Study	- Word Study