# 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
- 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
- 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
- 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
- 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
- Foundation of American
- Westminster Confession of Faith
- Pilgrim's Progress
- Of Plymouth Plantation
- The Social Contract
- Foundational American Documents
- Declaration of Independence
- Articles of the Confederation
- United States Constitution
- Federalist AntiFederalist Papers
- A Tale of Two Cities
- Defining Equality
- 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
- 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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<thead>
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<th>Math</th>
<th>Cycle 5 Transformation September - October</th>
<th>Cycle 6 Justice November - January</th>
<th>Cycle 7 Balance February - March</th>
<th>Cycle 8 Sense of Belonging April - May</th>
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<tr>
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<td>Real Numbers system</td>
<td>Equations, Inequalities</td>
<td>Geometry</td>
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<td>Winterizing</td>
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