Brickton MONTESSORI

# Middle School Yearly Curriculum Map

## Year A Curriculum Map:

| YEAR A | Connections Cycle 1 | Exploration Cycle 2 | Identity Cycle 3 | Systems Cycle 4 | Interdependence Cycle 5 |
|---|---|---|---|---|---|
| **Language** | Memoir | Mentor Authorship | Poetry | Short Stories | Social Action Essays |
| **Writing Project** | Memoir & Fable | Mentor Author Project | Haikus, Sonnet, Irregular Odes, Sestina | Literary Essay: Symbols | Social Action Project |
| **Grammar** | Commas | Semicolons; Colons | Apostrophes | Indicating Titles | Paragraphing |
| **Natural World (Science)** | Cells, Cellular Structure, & Characteristics of Living Things | Viruses, Bacteria, Protists, & Fungi | Genetics | Animal Classification, Animal Systems, & Dissection | Ecosystems & Environmental Science |
| **Social World (Social Studies)** | Geography & Native American Studies | Exploration in the New World, Other Continents, Space, & the Deep Sea | Migration | Economics & Economic Systems | World Populations & Contemporary Social Problems |
| **Personal World (Health) 7 Habits** | Self-esteem, Being Proactive, Inter-connectedness, & Community | Begin with the End in Mind & Put First Things First | Appropriate Relationships & Identity | Think Win/Win & Seek First to Understand | Synergy & Review of Six Habits |
| **Math: Pre-Algebra & Algebra Guiding Concepts** | GQ1: Grouping Symbols | GQ1: Properties of Equality, Simplifying, Evaluating, Other Operations, Sequence & Series | GQ1: Types of Graphs: Pictographs, Scatter-grams, Ratios & Rates | GQ1: Geometric Solids: Perimeter, Area, Surface Area, & Volume. Pythagorean Theorem | GQ1: Mortensen Algebra, Greatest Common Monomial Factor; Squares: Difference of, Perfect, Factoring Patterns. |
| | GQ2: Roots, Exponents: Negatives, Scientific Notation, Fractions & Decimals | GQ2: Solving Equations & Solving for X | GQ2: Relative Frequency & Probability Factorials | GQ2: Simplifying & Evaluating Expressions w/ Powers, & Multiplying Polynomials | GQ2: Solving Quadratics by Factoring & Quadratic Formula |

# Year B Curriculum Map:

| YEAR B | Forces<br>Cycle 1 | Structures<br>Cycle 2 | Power<br>Cycle 3 | Changes<br>Cycle 4 | Balance<br>Cycle 5 |
|---|---|---|---|---|---|
| **Language** | Critical Reading Lens: Gender & Social Norms, Power, Metaphor,<br><br>& Being Dissatisfied | Mentor Authorship: How Punctuation Affects Meaning | Persuasive Writing: Crafting the Anecdote, Creating Context, Purposeful Fragments, & Writing the Plea | Free-Verse Poetry: Poetic Structure, Performance, & Poetic Devices | Inter-textual Literary Essays: Making Personal Connections to Book Issues |
| **Writing Project** | Perspective & Voice:<br><br>Recovering a Lost Perspective | Independent Project: Apprenticeship Anthology | Persuasive Essay, Personal Essay, & Personal Letter | Community Free-Verse Poetry Anthology | Inter-textual Literary Essay |
| **Grammar** | Parentheses | Run-on Sentences | Punctuating Dialogue | Appositives | Semicolons |
| **Natural World (Science)** | Motion & Gravity | Atomic Structure & Chemistry | Energy & Waves | Work & Simple Machines | Alternative Energy & Ethics of Technology |
| **Social World (Social Studies)** | American Revolution & Other World Revolutions | Types of Government, U.S. Constitution, & Illinois Constitution | Civil/Human Rights Movements in the U.S. & Elsewhere | Industrial Revolution & Westward Expansion | Wars of the U.S. & Peace Education |
| **Personal World (Health)** ***The Heroic Journey*** | Allies & Ogres:<br><br>Dealing with Stress, Mass Media, & Peer Pressure | Initiation of Change:<br><br>Structure of Traditional & Modern Journeys to Adulthood | Personal Power:<br><br>Leadership Styles<br><br>& Controlling Feelings & Attitude | Finding the Key &<br><br>Receiving the Boon | Sharing the Treasure:<br><br>Morals, Standards, & Balance |
| **Math: Pre-Algebra & Algebra**<br><br>**Guiding Concepts** | GQ1: Properties, Simplifying & Evaluating Expressions, Word Problems, & Other Operations | GQ1: Graphing Inequalities, Conjunctions, & Disjunctions | GQ1: Direct & Inverse Variation; Calculating Work, Power, & Kinetic & Potential Energy | GQ1: Plotting Points, Lines, Quadrants; Slope of Vertical & Horizontal Lines, Slope-Intercept, & Standard Form | GQ1: Solving Linear Systems |
| | GQ2: Single, Two, & Three-Step Inequalities | GQ2: Atomic Formulas; Chemical, Ionic, Covalent Bonding | GQ2: Drawing Points, Parallel/Perpendicular Lines, Planes, Triangles, & Polygons | GQ2: Writing Line Equations: Slope-intercept; Functions, Range of Func. | GQ2: Using Linear Systems to Solve Real-World Problems |