

MURL WINDSOR ACADEMY

Comprehensive Elementary Curriculum & 30-Week Master Pacing Guide

GRADES K–5TH • INTEGRATED ACADEMIC, SPIRITUAL, CULTURAL & PEDAGOGICAL FRAMEWORK

1. INSTITUTIONAL FRAMEWORK & MASTER PRINCIPLES

Murl Windsor Academy delivers a rigorous, holistic, and Christ-centered elementary education designed to foster academic excellence, spiritual growth, linguistic proficiency, and global civic responsibility. Our curriculum seamlessly integrates core academics with targeted support frameworks, vibrant arts, cutting-edge STEM, dual-language enhancements, and hands-on Montessori learning.

Biblical Integration Philosophy

Every subject is taught through the lens of divine truth, wisdom, and stewardship. Daily Scripture, Christian worldview framing, and character building (Fruit of the Spirit) are embedded into reading, math, science, and social studies.

Dual-Language ESOL (Haitian Kreyòl & Spanish)

Comprehensive English for Speakers of Other Languages (ESOL) services utilizing structural bilingual scaffolding, visual anchor charts, side-by-side vocabulary glossaries (English / Spanish / Haitian Kreyòl), and heritage pride inclusion.

IEP, 504 & Small Group Differentiation

Multi-tiered differentiation framework ensuring full compliance and accommodation for Students with Disabilities (SWD) and 504 plans. Daily guided practice and targeted small-group instruction address specific learning tiers.

Title I & Title II Support Services

Title I: Targeted academic intervention, family literacy nights, reading specialists. **Title II:** Continuous Professional Development for faculty in pedagogical differentiation, ESOL strategies, and STEM integration.

2. MASTER DAILY BELL SCHEDULE (K–5TH)

Structure Overview: A balanced 7.5-hour school day integrating spiritual development, rigorous core academics, physical wellness, creative arts, and student-directed Montessori center exploration.

TIME SLOT	CURRICULAR BLOCK	CORE ELEMENTS & INSTRUCTIONAL FOCUS
07:30 - 08:00 AM	Morning Devotional & Prayer	Classroom gathering, praise & worship, Scripture memory, prayer requests, character focus.
08:00 - 09:30 AM	Reading & Language Arts / Writing	Phonics, explicit phonemic awareness, vocabulary, spelling, guided reading, writing workshop.
09:30 - 10:45 AM	Mathematics Block	Conceptual instruction, guided practice, small group intervention/enrichment, math centers.
10:45 - 11:30 AM	STEM & Science Integration	Inquiry-based labs, engineering design challenges, digital literacy, scientific method.
11:30 - 12:15 PM	Lunch & Recess	Nutritional break and structured/unstructured outdoor play for physical motor development.
12:15 - 01:00 PM	Social Studies & Civic Integration	History, global geography, civic responsibility, cultural studies, community engagement.
01:00 - 01:45 PM	Performing Arts Curriculum	Music, drama, movement, choral performance, public speaking, biblical dramatic arts.
01:45 - 02:30 PM	Spanish Language Integration	

TIME SLOT	CURRICULAR BLOCK	CORE ELEMENTS & INSTRUCTIONAL FOCUS
		Direct Spanish instruction, conversational dialogue, Hispanic culture, bilingual literature.
02:30 - 03:00 PM	Montessori Style Centers & Snack	Self-directed hands-on centers (sensory, practical life, STEM/math, quiet reading) + Healthy Snack.

3. SPECIALIZED PEDAGOGICAL & SERVICE PILLARS

Elementary Montessori-Style Learning Centers (2:30 - 3:00 PM)

The final 30 minutes of the day are dedicated to student-directed Montessori exploration alongside structured afternoon snack time. Prepared environments feature four primary stations:

- **Practical Life & Fine Motor:** Pouring, sorting, buttoning, weaving, seed organization, and cleanup routines.
- **Sensory & Mathematics Tactile:** Sandpaper letters/numbers, golden bead math, base-10 blocks, sensory bins.
- **Language & Heritage Reading Nook:** Dual-language (Kreyòl/Spanish/English) picture books, listening stations.
- **STEM Discovery & Logic:** Pattern blocks, magnetic building panels, balance scales, simple machine tasks.

Performing Arts & STEM Integrated Frameworks

Performing Arts: Weekly progression through vocal training, rhythm instruments, script reading, set design, and public speaking. Students perform quarterly plays focused on biblical history and global stories.

STEM Curriculum: Hands-on engineering design process (Ask, Imagine, Plan, Create, Improve). Integration of coding, robotics, ecological stewardship, and God's design in natural science laws.

KINDERGARTEN (GRADE K) — 30-WEEK PACING GUIDE

Focus: Foundational Literacy (Phonemic Awareness, Alphabet Mastery), Math Concepts (0-20, Shapes), Early Civic Community, God's Creation.

Weeks	Reading, Writing, Spelling & Vocab	Mathematics	STEM & Science	Social Studies & Civics	Integrations (Biblical, ESOL, Arts)
1 - 5	Letter names/sounds A-G; Concepts of print; Name writing; Vocab: School, Rules, Family.	Numbers 0-5 count/write; Sorting objects by color & size; Spatial concepts (above/below).	5 Senses discovery; Observing weather; STEM: Building block towers.	My Family and School Community; Rules & Responsibility.	Creation Story Visual Cards (Kreyòl/Esp) Arts: Rhythm instruments.
6 - 10	Letters H-N; Initial consonant sounds; CVC word blending (cat, map); Sight words: a, I, the, see.	Numbers 6-10; Comparing quantities (more, less, equal); 2D Shapes (circle, square, triangle).	Living vs. Non-living things; Plant parts; STEM: Plant seed germination lab.	Helpers in Our Community; Firefighters, Doctors, Teachers.	Noah's Ark Dual-language labels Arts: Color mixing & song.
11 - 15	Letters O-T; Short vowels /a/ and /i/; Simple sentence writing ("I see the cat."); Rhyming words.	Numbers 11-15; Counting to 50 by 1s; 3D Shapes (sphere, cube, cylinder).	Animal habitats & needs; Weather patterns & seasons; STEM: Weather shield design.	National Symbols & Holidays (Pledge of Allegiance, US/Haiti/LatAm flags).	Fruit of the Spirit Sentence Frames Arts: Christmas play practice.
16 - 20	Letters U-Z; Short vowels /e/, /o/, /u/; CVC word building; Informative drawing & writing.	Numbers 16-20; Introduction to addition (joining sets); Counting to 80 by 1s and 10s.	Pushes and Pulls (Force/Motion); STEM: Ramp and ball speed challenge.	Maps and Globes; Basic directions (near, far, left, right).	David & Goliath Kreyòl/Esp Songs Arts: Classroom drama.
21 - 25	Consonant Digraphs (sh, ch, th); Simple narrative writing; Spelling short CVC words.	Introduction to subtraction (taking away); Measurement (length/weight comparison).	Earth materials (rocks, soil, water); Recycling; STEM: Water filter funnels.	Where We Live; Urban, Suburban, and Rural environments.	The Good Samaritan Community Clean-up Arts: Recycled instrument band.
26 - 30	Long vowel silent 'e' intro; Reading simple emergent decodable texts; Opinion writing.	Counting to 100 by 1s & 10s; Decomposing numbers to 10; Math story problems.	Sunlight, Shadows & Energy; STEM: Solar oven / Shade structure build.	Global Neighbors; Traditional songs & customs from Haiti & Latin America.	Parables of Jesus Bilingual Celebration Arts: Spring Musical Performance.

1ST GRADE — 30-WEEK PACING GUIDE

Focus: Fluent Decoding, Sentence Composition, Addition/Subtraction Strategies to 20, Local & Global Geography, God's Design in Nature.

Weeks	Reading, Writing, Spelling & Vocab	Mathematics	STEM & Science	Social Studies & Civics	Integrations (Biblical, ESOL, Arts)
1 - 5	Short vowels review; Consonant blends (bl, st, gr); Personal narratives; Daily 5 spelling.	Addition/Subtraction within 10; Word problems; Fact families; Number bonds.	Light and Sound waves; How light travels; STEM: Sound maker instrument.	Rules and Rights; Good Citizenship; Honesty and Respect in society.	Creation & Stewardship Phoneme alignment Arts: Puppet theater.
6 - 10	Long vowels with Magic E (a_e, i_e); Informational writing (How-To texts); Vocab strategies.	Addition strategies to 20 (Making 10, doubles); Counting to 120 starting at any number.	Plant & Animal structures; External features for survival; STEM: Biomimicry tool.	Past, Present, and Future; Family history and traditions.	Joseph in Egypt Graphic organizers Arts: Historical skits.

Weeks	Reading, Writing, Spelling & Vocab	Mathematics	STEM & Science	Social Studies & Civics	Integrations (Biblical, ESOL, Arts)
11 - 15	Vowel teams (ai, ay, ee, ea); Narrative writing with sequence words; Context clues.	Place value: Tens and Ones; Comparing two-digit numbers (>, <, =).	Parents and Offspring traits; Life cycles; STEM: Butterfly habitat model.	American Holidays & Cultural Heritage (Thanksgiving, Christmas, Flag Day).	Moses & Exodus Bilingual Glossaries Arts: Vocal ensemble.
16 - 20	R-controlled vowels (ar, er, ir, or, ur); Opinion writing with supporting reasons.	2-digit addition without regrouping; Mentally finding 10 more/less.	Sun, Moon, and Stars movement patterns; STEM: Daytime/Nighttime telescope.	Basic Economics: Needs vs. Wants; Goods and Services.	Ten Commandments Classroom Store Arts: Set building.
21 - 25	Diphthongs (oi, oy, ou, ow); Research report on animals; Compound words & prefixes.	Telling time to the hour & half-hour; Non-standard measurement units.	Engineering Design Process; Properties of materials; STEM: Bridge building.	Geography: Continents, Oceans, and World Maps.	Life of Jesus Cognate identification Arts: World dance rhythm.
26 - 30	Silent letters (kn, wr); Review of all phonics patterns; Fluent oral reading; Poetry unit.	Halves and Fourths (Fraction concepts); Data tables and Tally charts.	Seasonal changes & weather patterns; STEM: Rain gauge creation.	Global Leaders and Missionaries; Service projects in school.	Great Commission Mission Drive Arts: End-of-year Showcase.

2ND GRADE — 30-WEEK PACING GUIDE

Focus: Chapter Book Comprehension, Multi-Paragraph Writing, 2/3-Digit Addition/Subtraction, Earth Systems, Civic Leaders.

Weeks	Reading, Writing, Spelling & Vocab	Mathematics	STEM & Science	Social Studies & Civics	Integrations (Biblical, ESOL, Arts)
1 - 5	Character traits & main idea; Narrative writing with dialog; Irregular plurals & prefixes.	2-digit addition with regrouping; Word problems with money (coins/bills).	Matter states (Solid, Liquid, Gas); Heating and cooling changes; STEM: Slime lab.	Government Purpose; Local, State, and National Leaders.	Armor of God TPR Strategies Arts: Character monologues.
6 - 10	Cause and effect in fiction; Informational text structure; Root words and suffixes (-ed, -ing).	2-digit subtraction with regrouping; Number line strategies to 100.	Fast and slow Earth events (Volcanoes vs. Erosion); STEM: Earthen dam design.	Geographic Features: Rivers, Mountains, Plains, Lakes.	Joshua & Jericho Bilingual word walls Arts: Topographic art.
11 - 15	Comparing stories/versions; Opinion essays with strong topic sentences; Academic vocab.	3-digit place value (Hundreds, Tens, Ones); Expanded form; Comparing numbers to 1,000.	Plant pollination and seed dispersal mechanisms; STEM: Pollinator device.	Producers, Consumers, and Markets; Financial Literacy basics.	Ruth & Naomi Market Day Project Arts: Choral speaking.
16 - 20	Author's purpose (PIE); Research writing: Biographies; Multi-syllable spelling words.	3-digit addition & subtraction with regrouping; Mental math strategies.	Biodiversity in land & water habitats; STEM: Terrarium design.	Historical Figures in Freedom and Civil Rights (Martin Luther King Jr., Rosa Parks).	Nehemiah's Wall Graphic Scaffolding Arts: Historical re-enactment.
21 - 25	Fables and Folktales (Morals & Lessons); Poetry structure; Homophones and Synonyms.	Intro to Multiplication (Arrays and Repeated Addition); Foundations of Division.	Simple Machines (Incline plane, lever, pulley); STEM: Rube Goldberg machine.	Cultures Around the World: Focus on Caribbean (Haiti) & Latin America.	Psalms & Proverbs Heritage Guest Speakers Arts: Cultural music festival.
26 - 30	Non-fiction text features; Final polished research project presentation; Vocabulary mastery.	Measuring in inches, feet, centimeters; Line plots; Partitioning shapes into equal shares.	Renewable energy sources; Recycling innovation; STEM: Wind turbine model.	Civic Participation: Voting, Volunteering, Community Service.	Early Church / Acts Service Project Arts: Spring Musical.

3RD GRADE — 30-WEEK PACING GUIDE

Focus: Text Evidence, Multi-Paragraph Essay Writing, Multiplication/Division Fluency, Fractions, Forces & Motion, World Geography.

Weeks	Reading, Writing, Spelling & Vocab	Mathematics	STEM & Science	Social Studies & Civics	Integrations (Biblical, ESOL, Arts)
1 - 5	Ask/Answer questions using text evidence; Narrative writing (Personal/Fictional); Latin roots.	Multiplication concepts; 0, 1, 2, 5, 10 fact fluency; Commutative property.	Balanced and Unbalanced Forces; Gravity and Friction; STEM: Hovercraft build.	Map Skills: Latitude, Longitude, Compass Rose, Map Scale.	Sermon on the Mount Sentence Starters Arts: Dramatic script reading.
6 - 10	Central message/theme; Expository 4-paragraph essay; Affixes (un-, re-, -ful, -less).	Multiplication fluency 3, 4, 6, 7, 8, 9; Associative and Distributive properties.	Magnetic forces & static electricity; STEM: Electromagnet & magnetic maze.	Ancient Civilizations: Foundations of Democracy (Greece/Rome).	Daniel in Babylon Visual glossaries Arts: Greco-Roman architecture models.
11 - 15	Point of view (1st vs 3rd person); Opinion/	Division as equal sharing; Fact families;	Weather patterns, Climate zones, and	Indigenous Cultures of the Americas	Elijah & Prophets Dual Language Maps

Weeks	Reading, Writing, Spelling & Vocab	Mathematics	STEM & Science	Social Studies & Civics	Integrations (Biblical, ESOL, Arts)
	Persuasive essays; Greek roots (geo, bio).	Solving 2-step word problems.	Natural Hazards; STEM: Hurricane tower build.	(Taíno, Maya, Native Americans).	Arts: Indigenous art & rhythm.
16 - 20	Literal vs. Non-literal language (Idioms, Similes); Research report writing; Spelling rules.	Fractions as equal parts; Numerator/Denominator; Number line fraction plotting.	Life cycles of plants and animals; Inherited traits; STEM: Genetic trait modeling.	Exploration and Early Trade Routes; Economics: Imports/Exports.	Miracles of Christ Global Trade Fair Arts: Dramatic dialogue.
21 - 25	Comparing text structures (Chronological, Cause/Effect); Persuasive letter writing.	Equivalent fractions; Comparing fractions with same numerator/denominator.	Fossil evidence and ancient environments; STEM: Dinosaur fossil excavation lab.	Colonial America & Early Settlement Struggles.	Parable of the Talents Bilingual peer pairs Arts: Colonial crafts & song.
26 - 30	Poetry, Drama, and Prose comparison; Comprehensive research presentation; Standardized prep.	Area (square units) and Perimeter; Elapsed time to the minute; Liquid volume/mass.	Ecosystems and Food Webs; Environmental stewardship; STEM: Hydroponic garden.	Civic Rights, Responsibilities, and Global Citizenship.	Epistles / Living Faith Community Advocacy Arts: Dramatic Production.

4TH GRADE — 30-WEEK PACING GUIDE

Focus: Deep Inferences, Multi-Page Formal Essays, Multi-Digit Multiplication/Long Division, Fraction Operations, Energy, State/National History.

Weeks	Reading, Writing, Spelling & Vocab	Mathematics	STEM & Science	Social Studies & Civics	Integrations (Biblical, ESOL, Arts)
1 - 5	Inference using text evidence; Multi-paragraph narrative writing; Advanced prefixes/suffixes.	Place value to 1,000,000; Multi-digit addition & subtraction algorithm; Estimation.	Forms of Energy (Kinetic, Potential, Thermal, Electrical); STEM: Roller coaster physics.	Geography & Regions of the United States; Map coordinates.	Genesis & Sovereignty Academic Vocab Scaffolding Arts: Set drawing.
6 - 10	Summarizing informational text; Explanatory/Informational essay writing; Context clues.	Multiplication: 2-digit by 2-digit & 4-digit by 1-digit (Area model & Standard algorithm).	Energy transfer & Electrical Circuits; STEM: Simple circuit flashlight project.	Early Explorers and the Atlantic Slave Trade / Caribbean Ties.	Exodus / Freedom Heritage connections Arts: Historical monologue.
11 - 15	Analyzing character development; Persuasive essay with counterarguments; Greek/Latin roots.	Long division: 4-digit by 1-digit with remainders; Interpreting remainders.	Waves, Sound, and Light reflection/refraction; STEM: Morse code optical telegraph.	Colonial Life & Thirteen Colonies; Economic specialization.	Judges & Kings Structured Outline Templates Arts: Choir harmony.
16 - 20	Theme analysis across multiple texts; Literary essay writing; Academic vocabulary depth.	Fraction equivalence, simplifying, and addition/subtraction with like denominators.	Earth's surface changes: Weathering, Erosion, Plate Tectonics; STEM: Earthquake building test.	The American Revolution; Declaration of Independence; Constitutional Principles.	Prophets & Warnings Debate on Independence Arts: Patriotic musical.
21 - 25	Integrating information from 2 texts; Formal Research Paper with citations; Editing skills.	Multiplying fractions by whole numbers; Decimals as fractions (tenths/hundredths).	Natural resources: Renewable vs. Non-renewable; STEM: Solar water heater model.	Westward Expansion, Immigration, and Cultural Integration in America.	Gospels / Life of Christ Bilingual Research Arts: Pioneer folk songs.
26 - 30	Poetry analysis & figurative language (Metaphor, Personification); Culminating Portfolio.	Angles and Measurement; Classifying 2D shapes (Triangles, Quadrilaterals); Symmetry.	Plant & Animal structures for processing information; STEM: Robotic hand build.	Branches of Government; State History & Caribbean Regional Relations.	Romans / Grace & Law Mock Congress Arts: Annual Spring Play.

5TH GRADE — 30-WEEK PACING GUIDE

Focus: Critical Analysis, DBQs, Advanced Research, Decimal/Fraction Operations, Volume, Matter & Earth Systems, World History & Global Civics.

Weeks	Reading, Writing, Spelling & Vocab	Mathematics	STEM & Science	Social Studies & Civics	Integrations (Biblical, ESOL, Arts)
1 - 5	Comparing themes in world literature; Argumentative essay writing; Advanced root words.	Place value to thousandths; Writing/evaluating numerical expressions (PEMDAS).	Structure and properties of Matter; Chemical vs. Physical changes; STEM: Chemical reaction.	Western Hemisphere Geography; World Maps & Regional Analysis.	Genesis / Worldview Cognate Matrix Arts: Drama & Scriptwriting.

Weeks	Reading, Writing, Spelling & Vocab	Mathematics	STEM & Science	Social Studies & Civics	Integrations (Biblical, ESOL, Arts)
6 - 10	Analyzing multiple perspectives in non-fiction; Document-Based Questions (DBQs); Etymology.	Decimal operations (+, -, ×, ÷); Standard algorithms for multi-digit multiplication.	Conservation of Matter; Ecosystem energy flow; STEM: Closed ecosystem bottle lab.	Mesoamerican Civilizations (Inca, Maya, Aztec) and European Contact.	Wisdom Literature Structured DBQ Scaffolds Arts: Artifact sculpting.
11 - 15	Structural analysis of poetry and drama; Explanatory synthesis paper; Advanced vocabulary.	Addition and Subtraction of fractions with unlike denominators; Mixed numbers.	Earth's Spheres (Atmosphere, Hydrosphere, Geosphere, Biosphere); STEM: Aquifer model.	The Atlantic World: Trade, Migration, and Cultural Exchange (US, Haiti, LatAm).	Prophetic Fulfillment Multilingual glossaries Arts: Vocal performance.
16 - 20	Determining point of view influence; DBQ essay writing; Complex sentence structures.	Multiplication and Division of fractions and whole numbers; Visual fraction models.	Space Systems: Earth's rotation, star brightness, shadows; STEM: Sundial design.	Causes of the US Civil War, Haitian Revolution, and Latin American Independence.	Gospels / Redemption Global Freedom DBQ Arts: Dramatic historical scene.
21 - 25	Evaluating arguments & claim validity; Multi-source Research Thesis; Speech writing.	Volume of solid figures ($V = l \times w \times h$); Fractional edge lengths.	Human Impact on Earth Systems; Green technology; STEM: Water filtration plant.	20th Century History, Industrialization, and Global Interdependence.	Acts / Global Missions Global Envoy Day Arts: Speech delivery.
26 - 30	Comprehensive Capstone project defense; Literary analysis essay; Middle school readiness.	Coordinate plane graphing; Real-world data plotting; Classifying 2D figures.	Engineering Capstone Challenge; Autonomous robotics / Coding; STEM: Prototype build.	United Nations, Universal Human Rights, and Christian Civic Leadership.	Revelation / Eternal Hope Capstone Defense Arts: Grand Musical.

4. INTEGRATED SPECIAL SERVICES & PEDAGOGICAL STRATEGIES

IEP & 504 Accommodation Matrix

- **Presentation:** Text-to-speech, visual anchor charts, enlarged print, dual-coded directions.
- **Response:** Speech-to-text, graphic organizers, verbal responses for non-reading tasks.
- **Setting:** Small group testing, low-distraction seating, sensory movement breaks.
- **Timing:** Extended time (1.5x), frequent short breaks, chunked assignment deadlines.

Dual-Language ESOL (Spanish & Haitian Kreyòl)

- **Language Scaffolding:** Cognate charts, Sentence frames, TPR (Total Physical Response).
- **Cultural Inclusion:** Culturally responsive texts celebrating Haitian and Hispanic heritage.
- **Bilingual Glossaries:** Triple-column vocab sheets (English / Español / Kreyòl Ayisyen).
- **Parent Bridge:** Home communication provided in English, Spanish, and Kreyòl.

Title I & Title II Professional Development

- **Title I Intervention:** Push-in reading/math specialists, tier 2/3 RTI, family math nights.
- **Title II PD Alignment:** Quarterly workshops on ESOL strategies, STEM integration, and trauma-informed instruction.

Civic Responsibility & Global Integration

- **Local & Global Service:** Quarterly student-led service projects (food drives, letter writing to missionaries).
- **Global Stewardship:** Focus on Christian ethics, environmental care, and respecting diverse international cultures.

