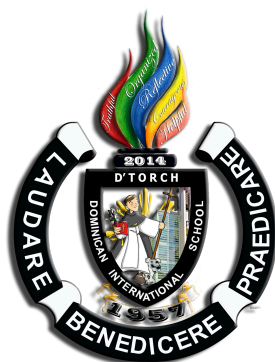


Course Title



Dominican International School

Science Syllabus

School Year 2026–27



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WEEKLY SCHEDULE

First Quarter Tentative Course Content

Week & Date	Topics / Projects / Assessments
Week 1 Aug 10 - 14	Monday Class Preparation ~ Student Holiday Tuesday Morning Assembly Friday Opening Mass & Assumption of Our Lady 8:00 Tuesday Students' Orientation Welcome to K1! Getting Ready for the Upcoming Year Environmental Language Classroom Commands and Routines
Week 2 Aug 17 - 21	UNIT 1: Who We Are Lesson 1 – What Do Scientists Do? Period 1 – Skills & Tools Scientists Use • Before Reading: Show pictures of scientists; ask “What do you think scientists do?” Record answers. • During Reading (pp. 3–6): ○ Observe sizes, shapes, patterns. ○ Compare cats (same/different). ○ Discuss tools (microscope, telescope) and uses. • After Reading: Share what children can do like scientists; model hand lens use. • Journal: Draw something to look at closely or learn about.

	• Teacher Table: Science Poster (Part 1) – brainstorm “What does science mean to you?” Collect images/objects. • Center: Take a Closer Look (Part 1) – examine sand, salt, pebbles, leaves, flowers with hand lenses. Period 2 – Using Senses & Measuring • Exploring Pumpkins: Touch, smell, compare outside/inside; predict changes in different storage. • Balancing Act: Weigh pumpkin, add objects to balance, compare with others; record in journals. • Teacher Table: Science Poster (Part 2) – add objects/images; discuss choices. • Center: Take a Closer Look (Part 2) – continue hand lens exploration, use descriptive words.
Week 3 Aug 24 - 28	UNIT 1: Who We Are Lesson 2 – Our Five Senses Period 1 – Introducing the Five Senses • Discussion – Ask how we know a pumpkin is orange; explain sight. • Read & Share – Show Flip Chart p. 7; introduce the five senses (hear, see, smell, taste, touch); discuss which senses we use for a pumpkin. • Journal – Draw themselves using one sense (e.g., nose to smell). • Teacher Table – Start “Five Senses” word web; name each sense and draw body part. • Science Center – Sort pattern blocks by sight with different rules. Period 2 – Using Senses to Compare & Classify • Observe & Compare – Compare green and red apples (color, size, shape, texture); make a Venn diagram. • Classify – Sort assorted apples by different rules. • Word Web Extension – Cut magazine pictures for each sense; add to class word web. • Teacher Table – Continue “Five Senses” word web with chosen images. • Science Center – Continue sorting pattern blocks by new rules.

Week 4 Aug 31 - Sep 4	UNIT 1: Who We Are Lesson 3 – Look Again Period 1 – Observing & Comparing • Discussion & Read – Talk about farm sights, sounds, smells. Compare two photos (same/different, senses used). • Journal – Draw a farm scene and compare with a partner. • Teacher Table – “Looking Carefully” game: show objects, hide, remove some, guess what’s missing. • Science Center – “What’s Different?” – find and compare matching cards. Period 2 – Measuring & Comparing Details • Measure Fish – Compare fish pictures; measure length/width with connecting blocks; record and discuss longer/shorter, wider/thinner. • Color & Compare – Color fish and re-compare. • Teacher Table – Continue “Looking Carefully” with new objects. • Science Center – Continue “What’s Different?” with turn-taking and describing.
Week 5 Sep 7 - 11	UNIT 1: Who We Are Lesson 4 – Describing Objects Period 1 – Properties of Objects • Discussion & Read – Compare bears in Flip Chart p. 68 (color, texture, material). Introduce “matter” and properties. Count gummy bear colors. • Journal – Draw a favorite bear and label its material. • Teacher Table – <i>I Spy</i> (simple clues). • Science Center – Color Sort (match objects to containers, follow simple directions). Period 2 – Comparing Objects • Review & Compare – Revisit chart; discuss “alike” and “different,” including living vs. nonliving. • Vocabulary Use – Describe objects using color, size, shape, texture. • Teacher Table – <i>I Spy</i> (more complex clues). Science Center – Continue Color Sort with multi-step directions and turn-taking.
Week 6 Sep 14 - 18	UNIT 2: Making Friends Lesson 1 – Rocks

	Period 1 – Observing & Describing • Read & Discuss – Flip Chart p. 45; talk about rock uses, differences in size, shape, texture. • Vocabulary – Introduce “rock” and words like rough, smooth, hard, soft, black, white. Compare two rocks. • Journal – Draw and label two different rocks. • Teacher Table – <i>Feel the Difference</i> (describe numbered rocks by touch/sight). • Science Center – <i>Rock Sort</i> (sort by own rules, describe choices). Period 2 – Comparing & Using • Review & Compare – Revisit chart; use domain words. Compare chalk rock to school chalk, graphite rock to pencils. • Discussion – Compare more rocks, explain reasoning. • Teacher Table – <i>Feel the Difference</i> (guess rock in bag using touch). • Science Center – <i>Rock Sort</i> (new rules, practice turn-taking).
Week 7 Sep 21 - 25	T-W-Th Pre-Exam Days Friday Moon Festival ~ Public Holiday UNIT 2: Making Friends Lesson 2 – Predicting Period 1 – Sink or Float • Read & Predict – Flip Chart p. 10 (cover right side); guess what will happen when objects go in water and why. • Vocabulary – “Predict” = tell what you think will happen based on what you know. • Investigation – Predict, test, and discuss if objects sink or float. • Journal – Draw a school prediction for tomorrow. • Teacher Table – <i>Sink or Float?</i> (predict, test, introduce “infer”). • Science Center – <i>Warm or Cold?</i> (predict clothing use). Period 2 – Which Weighs More? • Review & Predict – Repeat Flip Chart activity; discuss reasoning. • Vocabulary – Review weigh, weight, more, less, heavy, light. Predict which object weighs more; test and compare. • Sink/Float – Continue predictions and chart results. • Teacher Table – Focus on sink/float vocabulary. • Science Center – Continue clothing predictions and turn-taking.

Week 8 Sep 28 - Oct 2	Monday Confucius' Birthday ~ Public Holiday Thursday Major Exams Day 1 Friday Major Exams Day 2 UNIT 2: Making Friends Lesson 3 – Sort and Classify Period 1 – Sorting by Shape • Read & Discuss – Flip Chart: cover non-round buttons; describe shape, color, size, holes. • Vocabulary – Sort = group by similarities; classify = name the groups. • Activity – Sort jar of buttons into “round” or “not round,” discuss other rules. • Journal – Draw sorted buttons and explain rule. • Teacher Table – Sort round vs. not round; explore new rules. • Science Center – Sort clothing or objects in different ways. Period 2 – Sorting by Color/Other Rules • Review & Discuss – Sort buttons by color or other chosen rule; count and record results. • Journal – Record numbers for each group; discuss why scientists keep records. • Teacher Table – Sort by multiple attributes; record results. • Science Center – Continue sorting clothing/objects by different rules.
Week 9 Oct 5 - 9	Monday Record Day ~ Student Holiday T-W-Th Teachers Conference ~ Student Holiday Friday Double 10 Day ~ Public Holiday

Second Quarter Tentative Course Content

Week & Date	Topics / Projects / Assessments
Week 1 (10) Oct 12 - 16	UNIT 3: Families Lesson 1 – Magnets Period 1 – Exploring Magnets • Show and name a magnet; test metallic vs. non-metallic objects. • Flip Chart: predict if objects will stick, then test. • Vocabulary: magnet, metal, stick, attract, iron, nickel, cobalt. • Teacher Table: test magnetic letters on different surfaces; compare with coins. • Journal: draw a magnet sticking to something.

	• Science Center – Test assorted objects; record results. Period 2 – Magnets Stick to Some Things • Review: what magnets do and which objects stick. • Discuss why magnets stick to some surfaces. • Teacher Table: continue testing objects, introduce push/pull. • Practice vocabulary in sentences. • Science Center – Continue testing; explain results to a partner.
Week 2 (11) Oct 19 - 23	UNIT 3: Families Lesson 2 – Plants Period 1 – Observing Plants • Show a potted plant; discuss care and uses. • Flip Chart: notice plant changes (taller, more leaves). • Use hand lenses to observe; talk about senses. • Teacher Table: examine roots, measure plant height, record. • Journal: draw and label plant parts. • Science Center – Explore plant with sight, touch, smell. Period 2 – Learning Plant Parts • Review plant needs; compare trees and flowers. • Discuss plants we eat and use. • Teacher Table: make plant collage using yarn/paper; name parts. • Vocabulary: roots, stem, leaves, flower, petals, seeds. • Science Center – Continue plant observations and sharing.
Week 3 (12) Oct 26 - 30	Monday Retrocession Day ~ Public Holiday UNIT 3: Families Lesson 3 – The Day and Night Sky Period 1 – Day vs. Night • Discuss how we know it's day or night. • Flip Chart: compare day and night sky. • Vocabulary: sun, moon, stars (sun is closest star to Earth). • Activity: sort sun/moon cards with day/night actions. • Journal: draw one daytime and one nighttime activity. • Science Center – Sort photos of day/night/both.

	Period 2 – Sun and Shadows • Discuss shadows: when we see them, what makes them. • Flip Chart: find and label “sun” and “shadow.” • Teacher Table: make shadow puppets; explore size changes with light. • Science Center – Continue sorting day/night photos.
Week 4 (13) Nov 2 - 6	UNIT 3: Families Lesson 4 – Heat, Light, and Energy Period 1 – Heat and Light • Discuss: hot/cold, light/dark. • Flip Chart: sun as main source; other sources (lamp, oven, fire). • Vocabulary: heat, light — uses and sources. • Experiment: Ice Race – melt ice using hands, sun, lamp. • Journal: draw one way to use heat/light. Period 2 – Energy and Electricity • Review heat/light. • Flip Chart: windmills, sun/wind/water as energy sources. • Vocabulary: resource = something we use. • Experiment: Black vs. white bottle in sun to inflate balloons. • Discuss results — dark absorbs more heat. • Science Center: continue Ice Race.
Week 5 (14) Nov 9 - 13	UNIT 4: Food Lesson 1 – What Plants Need to Grow / Plant Life Cycle Period 1 – What Plants Need • Song: <i>What Plants Need</i> — sunlight, air, water, soil. • Flip Chart p. 18: label needs on pictures; discuss what happens without them. • Science Center: Sort living vs. nonliving photos. • Hands-On: Place seeds in moist paper towels, predict growth. • Journal: draw a plant growing in sun/rain. Period 2 – Plant Life Cycle • Review song and chart plant needs. • Flip Chart p. 20: seed → young → adult plant; match labels. • Compare plants’ growth stages to human growth. • Continue seed bag activity; observe and record changes.

	• Science Center: Continue living/nonliving sort.
Week 6 (15) Nov 16 - 20	UNIT 4: Food Lesson 2 – What Are Plants We Eat? Period 1 – Identifying Plants We Eat • Flip Chart p. 23: Some plants are edible, some not; introduce fruits/vegetables. • Identify fruits/vegetables by color, shape, and type. • Hands-On: Examine apple, lettuce, carrot; compare parts and textures. • Science Center: Sort plant photo cards into “eat” vs. “don’t eat.” • Journal: Draw and label a fruit or vegetable. Period 2 – Parts of Plants We Eat • Make a salad, naming each vegetable and its plant part (root, leaf, stem, fruit, flower). • Review Flip Chart; match salad items to plant parts. • Hands-On: Match foods (tomato, lettuce, carrot, celery, broccoli) to plant parts; draw and label plant. • Science Center: Continue sorting; share examples from home.
Week 7 (16) Nov 23 - 27	T-W-Th Pre-Exam Days Friday Grade 12 Exams PRE-K SCIENCE FAIR
Week 8 (17) Nov 30 - Dec 4	Monday Grade 12 Exams QUARTER EXAM REVIEW
Week 9 (18) Dec 7 - Dec 11	Monday TBD Tuesday Foundation Day Mass 9:00, Cutting of the Cake Ceremony, Christmas Fair, (Whole day) Wednesday TBD Thursday Major Final Exams half day Friday Major Final Exams half day

*Dec 14 to Jan 1 Christmas Break***Third Quarter Tentative Course Content**

Week & Date	Topics / Projects / Assessments
Week 1 (19) Jan 4 - Jan 8	Monday <i>Record Day ~ Student Holiday</i> Friday <i>New Year Mass at 8:00</i> UNIT 4: Food Lesson 3 – How Can Heat Change Things? Period 1 – Melting with Heat • Flip Chart p. 70: Discuss melting ice cream, steaming kettle, melting snowman. • Vocabulary: <i>melt</i> — describe using soft, liquid, runny, warm. • Hands-On: Compare ice cube melting in hot vs. cold water; predict and observe. • Science Center: Test items that melt at different speeds; compare results. • Journal: Draw and label something that melts. Period 2 – How Did the Juice Change? • Flip Chart p. 71: Sequence freezing steps; discuss liquids that can freeze. • Vocabulary: <i>freeze</i> — connect to melting. • Hands-On: Make grape juice popsicles; compare frozen vs. liquid juice. • Science Center: Review melting/freezing observations. • Reflection chart: “What heat can do” vs. “What freezing can do.”
Week 2 (20) Jan 11 - Jan 15	UNIT 5: Our Neighborhood Lesson 1 – Insects Around Us Period 1 – Introduction to Insects • Guessing game: “Bzzzz” sound. • Flip Chart p. 35: Compare insects. • Spider vs. insect (8 legs vs. 6 legs). • Learn: insect = 6 legs, sometimes wings.

	- Find insect pictures in magazines. - Draw and label an insect. Science Center: Build a Bug with craft materials. Period 2 – Comparing and Categorizing Insects - Flip Chart reveal: Ladybug → other insects. - Compare ladybug & beetle. - Discuss insect life cycles. - Make insect collages (by color, body type, wings). - Review: Which are insects? How do you know? Science Center: Continue “Build a Bug” and use Concept Cards
Week 3 (21) Jan 18 - Jan 22	UNIT 5: Our Neighborhood Lesson 2 – Sound Period 1 – Loud & Soft Sounds - Name/make quiet & loud sounds. - Flip Chart p. 85: Sort loud vs. soft. - Volunteers mimic sounds; compare. - Learn: sound = something you hear. - Feel throat vibrations while humming. - Journal: Draw one loud and one soft sound. Science Center: Sort loud/soft sounds using instruments & pictures. Period 2 – Vibrations & How Sound is Made - Learn: vibrate = move quickly back & forth. - Demo: tuning fork in water shows vibration. - Rubber band music box: compare loud/soft bands; feel vibrations. - Discuss what’s vibrating. Science Center: Continue sound sorting with instruments.
Week 4 (22) Jan 25 - Jan 29	UNIT 6: Transportation Lesson 1 – All Kinds of Weather Period 1 – Weather & Clouds - Flip Chart p. 56: Identify weather types; name activities for each. - Flip Chart p. 57: Compare cloud shapes. - Vocabulary: weather, cloud; “The weather today is ____.” - Journal: Draw favorite weather. Science Center: Make clouds with cotton balls and blue paper. Period 2 – What to Wear & How Rain Forms

	• Demo: “Make It Rain” with hot water, ice, and condensation. • Draw steps of rain formation. • Flip Chart pp. 52–55: Sort clothes for hot/cold weather. Science Center: Continue cloud art, share observations.
Week 5 (23) Feb 1 - Feb 5	Thursday Little New Year's Eve ~ Public Holiday Friday Lunar New Year ~ Public Holiday UNIT 6: Transportation Lesson 2 – Ground to Travel On Period 1 – Exploring Landforms • Discuss mountains, hills, plains, valleys, and canyons (Flip Chart p. 47). • Play “Which Land Is It?” to match labels to pictures. • Journal: Draw a landform to live on and write about it. • Science Center: Make landforms with clay. Period 2 – Ground to Travel On • Sing “The Bus” song, adding verses for each landform. • Draw a bus traveling over a landform. • Science Center: Continue clay landform models.
<i>February 8 to 12 Chinese New Year Holiday</i>	
Week 6 (24) Feb 15 - Feb 19	UNIT 6: Transportation Lesson 3 – Water All Around Period 1 – Exploring Bodies of Water • Discuss lakes, rivers, and oceans (Flip Chart p. 48). • Talk about activities and safety tips for each. • Sort images into Lake, Ocean, and River. • Journal: Draw yourself enjoying a body of water. • Science Center: Explore moving water using tubes, funnels, and wheels. Period 2 – Water Transportation & Safety • Review bodies of water and ways to travel on them.

	• Add water vehicles to the sorting chart. • Discuss water safety experiences. • Science Center: Continue water movement challenges.
Week 7 (25) Feb 22 - Feb 26	22-26 IOWA Assessments UNIT 6: Transportation Lesson 4 – Investigate Water Period 1 – States of Water • Identify water in pictures (Flip Chart p. 69). • Learn solid, liquid, gas. • Observe ice melting and water freezing. • Journal: Draw another liquid that can be solid. • Science Center: Measure water with cups and spoons. Period 2 – Changes & Recording • Review melting vs. freezing. • Draw 3-panel comics showing water changing state. • Practice vocabulary: liquid, solid, freeze, melt. • Science Center: Continue measuring and checking predictions.
Week 8 (26) Mar 1 - Mar 5	Monday Memorial Day ~ Public Holiday T-W-Th Pre-Exam Days UNIT 7: Animals Lesson 1 – Observing Animals Period 1 – Same & Different • Compare animals (alike: breathe, eat, move; different: shape, size, movement) • Vocabulary: shape, size, move • Make clay animals and describe them • Journal: draw an animal and add a describing word • Science Center: clay animal models Period 2 – Look & Live • Review coverings (fur, feathers, shell), colors, habitats • Vocabulary: fur, feathers, shell • Observe snails: needs, movement, shell shape • Draw and label a snail • Science Center: continue clay animals

Week 9 (27) Mar 8 - Mar 12	UNIT 7: Animals Lesson 2 – What Animals Need Period 1 – Basic Needs • Discuss animals’ needs (air, food, water, shelter) using Flip Chart • Vocabulary: air, food, water, shelter • Observe snails and draw what they need • Compare needs of animals and humans • Science Center: sort animal cards Period 2 – How Animals Grow • Talk about how dogs grow from puppy to adult • Vocabulary: change, grow • Sequence dog’s life stages in drawings • Science Center: continue animal sorting
Week 10 (28) Mar 15 - Mar 19	UNIT 7: Animals Lesson 3 – Reptiles • Flip Chart: Identify reptiles, note scales & dry skin. • Vocabulary: reptile, scales, dry skin. • Make reptile collage from magazine pictures. • Science Center: sort cards into Reptiles / Not Reptiles. Lesson 3 – Fish • Flip Chart: Identify fish and body parts (fins, gills, scales). • Vocabulary: fins, gills, scales. • Make fish collage and compare shapes, sizes, colors. • Science Center: sort cards into Fish / Not Fish
Week 11 (29) Mar 22- Mar 26	Tuesday Major Final Exams half day Wednesday Major Final Exams half day Thurs - Fri Easter Break (Spring Break) ~ Public Holiday NO SCIENCE CLASS
<i>March 25 to April 2 Easter & Spring Break</i>	

Fourth Quarter Tentative Course Content

Week & Date	Topics / Projects / Assessments
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Week 1 (30) Apr 5 - Apr 9	Monday Tomb Sweeping Day ~ Public Holiday Tuesday Children's Day ~ Public Holiday Lesson 4: Birds Period 1 – Introduction to Birds • Flip Chart: Notice bird colors, similarities, differences. • Vocabulary: beak, feathers, wings, legs. • Draw and label a bird. • Science Center: compare bird wings to fish fins. Period 2 – Birds & Habitats • Discuss bird habitats (warm/cold, wet/dry). • Outdoor bird watch, draw and label parts with habitat details. • Compare drawings to Flip Chart birds. • Science Center: continue wings vs. fins activity.
Week 2 (31) Apr 12 - Apr 16	UNIT 8: Nature Lesson 1: Seasons Period 1 – Introduction to Seasons • Identify the current season, discuss weather, clothing, activities, and animals. • Vocabulary: spring, summer, fall, winter. • Sort hats by season. • Journal: draw favorite season activity. • Teacher Table: start Four Seasons chart (weather, clothing, activities). • Science Center: start “Trees for All Seasons” art. Period 2 – Seasons & Clothing • Guess the season from props. • Review season names, clothing, plant/leaf changes. • Discuss favorite activities and clothing. • Teacher Table: add magazine cutouts to Four Seasons chart. • Science Center: finish seasonal trees.
Week 3 (32) Apr 19 - Apr 23	19 - 23 AP Mock Exams UNIT 8: Nature Lesson 2: Taking Care of Earth Period 1 – Caring for Earth • Discuss pollution and why keeping Earth clean matters. • Vocabulary: recycle, reduce, reuse.

	- Journal: draw one way to care for Earth. - Teacher Table: start “Don’t Pollute” posters. - Science Center: start “Build a Bot” from recycled materials. Period 2 – Reduce, Reuse, Recycle - Review Flip Chart and examples of caring for Earth. - Vocabulary review with children’s examples. - Teacher Table: finish posters and share. - Science Center: complete and present “Build a Bot.”
Week 4 (33) Apr 26 - Apr 30	T-W-Th Pre-Exam Days Friday Labor Day ~ Public Holiday UNIT 9: Ready for Kindergarten Lesson 1: How Things Move Period 1 – Push, Pull & Motion Words - Discuss push (away) and pull (closer) using Flip Chart p. 80. - Vocabulary: motion, straight, zigzag, round and round, fast, slow. - Journal: draw something moving and label with a motion word. - Teacher Table: explore toy movements (push, pull, speed). - Science Center: experiment with ramps, wheels, magnets, and water.
Week 5 (34) May 3 - May 7	3 - 7 Final Exams (K, Gr. 5, 8, & 12 Only) 3 - 14 AP Exams PRE-K SCIENCE QUARTER EXAM REVIEW
Week 6 (35) May 10 - May 14	3 - 14 AP Exams Wednesday Major Final Exams Undergraduates half day Thursday Major Final Exams Undergraduates half day Friday Record Day ~ Student Holiday PRE-K SCIENCE QUARTER EXAM
Week 7 (36) May 17 - May 21	Monday Gr. 12 Recollection (Morning) Monday Baccalaureate Mass (Afternoon, Schoolwide) Wednesday House Sports Day Thursday High School Field Trip Friday House Culminating Activity All Week Student Clearance Days & Special Events

Week 8 (37) May 24 - May 28	Monday	Middle & High School Sports Day
	Monday	LS Field Trip
	Tuesday	Kindergarten Graduation/Gr. 5 Promotion
	Wednesday	Gr. 8 Graduation and Gr. 12 Graduation
	Thursday	Pre-Kindergarten & Gr. 1 - 4, 6 & 7, 9-11 Recognition
	Friday	Last Day of School for Students