

Basic Computer Education for Pre-Kindergarten



Dominican International School

Course Syllabus

School Year 2026–27



Erick Gonzales
ICT for Pre-K Teacher

egonzales@dishs.tp.edu.tw

COURSE DESCRIPTION:

This Pre-K ICT course introduces young learners to foundational technology skills in a fun, interactive, and age-appropriate way. Through guided exploration, students will familiarize themselves with basic computer functions, develop creativity using digital tools, and build problem-solving abilities. The curriculum integrates technology with interdisciplinary learning, supporting subjects such as art, music, English, and math. It also emphasizes creativity, collaboration, and social-emotional development, aligning with the D'TORCH values (Truthful, Organized, Reflective, Courageous, and Helpful).

Activities are thoughtfully designed to balance digital engagement with hands-on play, ensuring safe and responsible use of technology while fostering curiosity and a love for learning. By exploring digital tools, building collaborative skills, and reflecting on their growth, students will develop both technical and personal competencies suited to their developmental needs.

COURSE CONTENT:

In **Semester 1**, students will be introduced to types of computers, basic computer functions (desktop computer and tablet). The course will focus on creativity, problem-solving, and responsible technology use. Through fun, hands-on activities and digital games, students will explore subjects such as Art, Math, English, and Music, and develop their social-emotional skills through SEL practices.

In **Semester 2**, students will continue developing these skills, with an emphasis on advanced creativity and collaboration. The course builds on what was learned in Semester 1, allowing students to explore new technologies and use digital tools for more complex projects. Throughout both semesters, D'TORCH values will be embedded in activities, encouraging students to be Truthful, Organized, Reflective, Courageous, and Helpful in their digital journeys.

COURSE OBJECTIVES: By the end of the semester/school year, (SWBAT) Students will be able to:

- Introduce Pre-K students to foundational technology skills.
- Foster creativity, problem-solving, and responsible digital engagement.
- Integrate ICT with subjects like art, music, English, and math.

- Emphasize the D'TORCH values: Truthful, Organized, Reflective, Courageous, and Helpful.
- Promote social-emotional development alongside technical proficiency.
- Inspire a love for learning through engaging, age-appropriate activities.
- Equip students to use technology safely, collaboratively, and meaningfully.

GRADING CRITERIA: The quarterly grade will be awarded for all student work based on the following criteria:

- ✓ **Class participation and Seatwork/Homework** - 3/10 of the quarterly grade
- ✓ **Major Projects, Quizzes, and Tests**- 3/10 of the quarterly grade
- ✓ **Semestral Exams**- 3/10 of the quarterly grade
- ✓ **Department** - 1/10 of quarterly grade

STUDENT MATERIALS REQUIREMENTS:

- Computer or tablet (one per student).
- Mouse and keyboard (for activities requiring precision).
- Age-appropriate software/apps:
- Drawing tools (e.g., ICT sites for Pre-K, Paint, and others).
- Headphones for multimedia activities.
- Craft supplies for hands-on projects (e.g., paper, markers, glue).
- Preloaded digital content (games, stories, videos).

CLASSROOM EXPECTATIONS:

1. Use equipment with care; handle devices gently.
2. Keep food and drinks away from all devices.
3. Follow teacher's instructions when using specific tools or apps.
4. Practice the D'TORCH values: be **truthful** about your progress, **helpful** to friends, and **organized** with your materials.
5. Wait patiently for your turn when sharing devices.
6. Raise your hand to ask for help or share ideas.
7. Sit properly when using devices.
8. Keep screen brightness at a comfortable level to protect your eyes.
9. Only explore approved apps or programs.

SEATWORK RULES:

- Work quietly and stay focused on your task.
- Try your best to solve small problems (e.g., navigating apps) before asking for help.
- Share tools and devices with your partner if working in pairs.
- Encourage and support classmates without completing tasks for them.
- Save your work if it's digital or tidy up your materials if it's hands-on.
- Log out of programs or close apps when finished.
- Return devices and tools to their designated places.

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 Lesson 1: Introduction to Information and Communication Technology, Classroom Rules, and D'TORCH Values ● Objectives: Follow class rules, understand ICT rules, and practice the D'TORCH values ● Skills focus: Tech Behavior, D'TORCH Values, and Routines ● D'TORCH Values: Organized, Truthful
Week 2 Aug 17 - 21	Lesson 2: Establishing ICT Routine ● Objectives: Learn the routine (start to end) in ICT class ● Skills focus: Tech vocabulary D'TORCH Values: Organized, Helpful
Week 3 Aug 24 - 28	Lesson 3: Types of Computers & Their Use ● Objectives: Name basic types of computers (desktop, laptop, tablet, etc.) ● Skills focus: Tech vocabulary ● D'TORCH Values: Truthful, Reflective
Week 4 Aug 31 - Sep 4	Lesson 4: Basic Parts of a Desktop Computer (Identification) ● Objectives: Identify parts of a desktop computer (mouse, monitor, keyboard, etc.) ● Skills focus: Awareness of device parts ● D'TORCH Values: Organized, Helpful
Week 5 Sep 7 - 11	Lesson 5: The Power of Touch - Using an iPad (Hardware and Software) ● Objectives: ○ Name different parts of an iPad (Hardware) ○ Interact with elements on screen (Software) ○ Learn how to use an iPad ○ Learn ways of taking care of an iPad ● Skills focus: Motor skills, tool familiarity ● D'TORCH Values: Truthful, Organized, Reflective

Week 6 Sep 14 - 18	Lesson 6: The Power of Touch - Interactive Elements ● Objectives: ○ Learn to navigate the interface ○ Properly interact with elements on screen ○ Learn to go left, right, up, and down ○ Mix and Match elements and improve memory through repetition ● Skills focus: Click, drag, direction, and pinch ● D'TORCH Values: Organized, Reflective, Courageous
Week 7 Sep 21 - 25	T-W-Th Pre-Exam Days Friday Moon Festival ~ Public Holiday Lesson 7: D'TORCH Heroes -Doing Good and Avoiding the Bad, Matching & Memory ● Objectives: Safely navigate the iPad interface by tapping, swiping, and dragging. ● Skills focus: tap, swipe, and drag on the screen. ● D'TORCH Values: Truthful, Reflective
Week 8 Sep 28 - Oct 2	Monday Confucius' Birthday ~ Public Holiday Thursday Major Exams Day 1 Friday Major Exams Day 2 Review and Check-in - Q1 Lessons
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	Lesson 8: Lesson 8: ABC Adventure: Learning the Alphabet from A to Z ● Objectives: ○ Recognize letters of the English alphabet (Supplementary). ○ Arrange letters in alphabetical order through digital games. ○ Practice hand-eye coordination by interacting with the iPad or smartboard. ○ Strengthen memory and focus while playing <i>Alphabetical Order</i> and <i>Alphabet Bridge</i> ● Skills focus: ○ Tapping, dragging, and interacting with screen elements. ○ Recognizing letters and matching them in digital games. ○ Practicing control and precision using touch gestures. ● D'TORCH Values: Organized, Courageous, Helpful

Week 2 (11) Oct 19 - 23	Lesson 8: Lesson 8: ABC Adventure: Learning the Alphabet from A to Z (Continuation) ● Objectives: ○ Recognize letters of the English alphabet (Supplementary). ○ Arrange letters in alphabetical order through digital games. ○ Practice hand-eye coordination by interacting with the iPad or smartboard. ○ Strengthen memory and focus while playing <i>Alphabetical Order</i> and <i>Alphabet Bridge</i> ● Skills focus: ○ Tapping, dragging, and interacting with screen elements. ○ Recognizing letters and matching them in digital games. ○ Practicing control and precision using touch gestures. ● D'TORCH Values: Organized, Courageous, Helpful
Week 3 (12) Oct 26 - 30	Monday Retrocession Day ~ Public Holiday Lesson 9: Mathemagics: Counting from 1 to 10 ● Objectives: ○ Count from 1 to 10 under time pressure. ○ Recognise and tap on numerals 1-10 on the iPad or smartboard. ○ Match quantities (objects) with their correct numeral. ● Skills focus: ○ Use the iPad or interactive board: tap, drag, select. ○ Navigate to the game, start it, and follow on-screen prompts. ○ Interact with visual elements (objects, numbers) and respond. D'TORCH Values: Organized, Reflective, Helpful
Week 4 (13) Nov 2 - 6	Lesson 9: Mathemagics: Counting from 1 to 10 (Continuation) ● Objectives: ○ Count from 1 to 10 under time pressure. ○ Recognise and tap on numerals 1-10 on the iPad or smartboard. ○ Match quantities (objects) with their correct numeral. ● Skills focus: ○ Use the iPad or interactive board: tap, drag, select. ○ Navigate to the game, start it, and follow on-screen prompts. ○ Interact with visual elements (objects, numbers) and respond. D'TORCH Values: Organized, Reflective, Helpful
Week 5 (14) Nov 9 - 13	Lesson 10: Mathemagics: Counting from 1 to 20 ● Objectives: ○ Count from 1 to 20 under time pressure.

	○ Recognise and tap on numerals 1-20 on the iPad or smartboard. ○ Match quantities (objects) with their correct numeral. ● Skills focus: ○ Use the iPad or interactive board: tap, drag, select. ○ Navigate to the game, start it, and follow on-screen prompts. ○ Interact with visual elements (objects, numbers) and respond. ● D'TORCH Values: Organized, Reflective, Helpful
Week 6 (15) Nov 16 - 20	Lesson 10: Mathemagics: Counting from 1 to 20 (Continuation) ● Objectives: ○ Count from 1 to 20 under time pressure. ○ Recognise and tap on numerals 1-20 on the iPad or smartboard. ○ Match quantities (objects) with their correct numeral. ● Skills focus: ○ Use the iPad or interactive board: tap, drag, select. ○ Navigate to the game, start it, and follow on-screen prompts. ○ Interact with visual elements (objects, numbers) and respond. ● D'TORCH Values: Organized, Reflective, Helpful
Week 7 (16) Nov 23 - 27	T-W-Th Pre-Exam Days Friday Grade 12 Exams Lesson 11: Basic Shapes - Shape Heroes to the Rescue ● Objectives: Identify and replicate simple patterns ● Skills focus: Visual logic, prediction ● D'TORCH Values: Organized, Reflective
Week 8 (17) Nov 30 - Dec 4	Monday Grade 12 Exams Checking-in: Semester Review and Reflection ● Objectives: ○ Identify and name basic shapes: circle, square, triangle, and rectangle. ○ Match and sort shapes in digital games. ○ Use iPad touch gestures (tap, drag, drop) to move and organize shapes. ● Skills focus: Tapping, dragging, dropping, selecting items. ● D'TORCH Values: Organized, Reflective, Helpful
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 Review and Check-in - Q2 Lessons Unit 1 & 2 Assessment Thursday Major Final Exams half day Friday Major Final Exams half day
<i>Dec 14 to Jan 1 Christmas Break</i>	

Third Quarter Tentative Course Content

Week & Date	Topics / Projects / Assessments
Week 1 (19) Jan 4 - Jan 8	Monday Record Day ~ Student Holiday Friday New Year Mass at 8:00 Lesson 12: Colors Everywhere - Color Wizards' Adventure ● Objectives: ○ Identify and name basic colors (red, blue, yellow, green, etc.). ○ Use drawing tools to create colorful artwork. ● Skills focus: Selecting tools, changing brush colors, dragging items. ● D'TORCH Values: Organized, Reflective, Helpful
Week 2 (20) Jan 11 - Jan 15	Review: Desktop Computer, and Rules in the Computer Lab ● Objectives: ○ Identify basic parts of a desktop computer ○ Recall and follow computer lab rules ○ Sit properly and handle equipment safely ○ Demonstrate Organized and Helpful behavior in the lab ● Skills focus: ○ Identifying desktop parts ○ Following lab rules ○ Assigned seating and routines ● D'TORCH Values: Organized, Helpful
Week 3 (21) Jan 18 - Jan 22	Using a Desktop Computer & Our Computer Lab Routine ● Objectives: ○ Follow the ICT lab routine independently ○ Turn on the computer with guidance ○ Log in or access assigned programs with teacher support ○ Practice being Organized and Truthful ● Skills focus: ○ Turning on the computer

	○ Sitting properly ○ Following step-by-step routines ● D'TORCH Values: Organized, Truthful
Week 4 (22) Jan 25 - Jan 29	Lesson 13: Magic Mouse: Click, Click, Hooray! ● Objectives: ○ Hold and use the mouse correctly ○ Move the cursor to a target on the screen ○ Single-click objects intentionally ○ Show Courageous and Organized behavior while learning a new skill ● Skills focus: ○ Mouse grip ○ Cursor movement ○ Intentional clicking ● D'TORCH Values: Courageous, Organized
Week 5 (23) Feb 1 - Feb 5	Thursday <i>Little New Year's Eve ~ Public Holiday</i> Friday <i>Lunar New Year ~ Public Holiday</i> Lesson 14: Drag and Drop Detectives ● Objectives: ○ Click, drag, and release objects on the screen ○ Match and sort items using drag-and-drop actions ○ Try again when a task is challenging ○ Demonstrate Reflective and Organized behavior ● Skills focus: ○ Dragging objects accurately ○ Matching and sorting ● D'TORCH Values: Reflective, Organized
<i>February 8 to 12 Chinese New Year Holiday</i>	
Week 6 (24) Feb 15 - Feb 19	Lesson 15: Scroll Safari: Exploring Up and Down ● Objectives: ○ Use the mouse wheel to scroll up and down ○ Find objects on a page by scrolling ○ Wait patiently for turns during activities ○ Practice being Reflective and Patient ● Skills focus: ○ Using the scroll wheel ○ Locating items on a page ● D'TORCH Values: Reflective
Week 7 (25) Feb 22 - Feb 26	22-26 <i>IOWA Assessments</i> Lesson 16: Fix-It Heroes: When Computers Get Tricky ● Objectives: ○ Recognize simple computer problems

	○ Follow basic steps to solve a problem (Stop–Think–Try–Ask) ○ Ask for help appropriately when needed ○ Show Courageous and Helpful behavior ● Skills focus: ○ Identifying simple problems ○ Following “Stop–Think–Try–Ask” D'TORCH Values: Courageous, Helpful
Week 8 (26) Mar 1 - Mar 5	Monday Memorial Day ~ Public Holiday T-W-Th Pre-Exam Days Lesson 17: Desktop Explorers: Opening and Closing Apps ● Objectives: ○ Open an assigned application using the mouse ○ Close a program properly ○ Return to the desktop screen ○ Demonstrate Organized and Truthful behavior ● Skills focus: ○ Opening assigned programs ○ Closing windows correctly ○ Returning to desktop D'TORCH Values: Organized, Truthful
Week 9 (27) Mar 8 - Mar 12	Lesson 18: Keyboard Explorers ● Objectives: ○ Identify the keyboard as an input device ○ Locate letter keys on the keyboard ○ Press keys gently using one finger ○ Practice being Courageous and Organized ● Skills focus: ○ Identifying letter keys ○ Pressing keys gently ○ Understanding keyboard as input D'TORCH Values: Courageous, Organized
Week 10 (28) Mar 15 - Mar 19	Lesson 18: Keyboard Explorers (Continuation) ● Objectives: ○ Identify the keyboard as an input device ○ Locate letter keys on the keyboard ○ Press keys gently using one finger ○ Practice being Courageous and Organized ● Skills focus: ○ Identifying letter keys ○ Pressing keys gently ○ Understanding keyboard as input D'TORCH Values: Courageous, Organized

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 Review and Check-in - Q3 Lessons
<i>March 25 to April 2 Easter & Spring Break</i>	

Fourth Quarter Tentative Course Content

Week & Date	Topics / Projects / Assessments
Week 1 (30) Apr 5 - Apr 9	Monday Tomb Sweeping Day ~ Public Holiday Tuesday Children's Day ~ Public Holiday Lesson 19: Typing Time ● Objectives: ○ Type letters using the keyboard ○ Type their first name with guidance ○ Use the space bar and backspace ○ Show Reflective and Helpful behavior ● Skills focus: ○ Typing letters and names ○ Using space bar and backspace ● D'TORCH Values: Reflective & Helpful
Week 2 (31) Apr 12 - Apr 16	Lesson 20: Typing Fun Challenge ● Objectives: ○ Type simple letter patterns (e.g., AAA, ABC) ○ Complete short typing challenges ○ Practice patience and confidence while typing ○ Demonstrate Courageous and Reflective behavior ● Skills focus: ○ Typing letter patterns ○ Completing simple typing challenges ● D'TORCH Values: Courageous & Reflective
Week 3 (32) Apr 19 - Apr 23	19 - 23 AP Mock Exams Lesson 21: Think First, Click Later! ● Objectives: ○ Pause and think before clicking on the screen ○ Choose the correct button or action ○ Avoid random or repeated clicking ○ Practice being Reflective and Organized ● Skills focus: ○ Pausing before clicking ○ Choosing correct actions

	● D'TORCH Values: Reflective & Organized
Week 4 (33) Apr 26 - Apr 30	T-W-Th Pre-Exam Days Friday Labor Day ~ Public Holiday Lesson 22: Helping Hands: ICT Teamwork - Part 1 ● Objectives: ○ Take turns while using computers ○ Help classmates respectfully ○ Ask for help politely ○ Demonstrate Helpful and Truthful behavior ● Skills focus: ○ Turn-taking ○ Helping peers appropriately ○ Working in groups ● D'TORCH Values: Helpful & Truthful
Week 5 (34) May 3 - May 7	3 - 7 Final Exams (K, Gr. 5, 8, & 12 Only) 3 - 14 AP Exams Lesson 22: Helping Hands: ICT Teamwork - Part 2 ● Objectives: ○ Take turns while using computers ○ Help classmates respectfully ○ Ask for help politely ○ Demonstrate Helpful and Truthful behavior ● Skills focus: ○ Turn-taking ○ Helping peers appropriately ○ Working in groups ● D'TORCH Values: Helpful & Truthful
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 Lesson 23: Computer Confidence Challenge - Part 1 ● Objectives: ○ Combine mouse, keyboard, and navigation skills ○ Complete ICT tasks with increasing independence ○ Show confidence when using the computer ○ Practice being Courageous and Reflective ● Skills focus: ○ Combining mouse, keyboard, and navigation skills ○ Completing tasks independently ○

	● D'TORCH Values: Courageous & Reflective
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 Lesson 23: Computer Confidence Challenge - Part 2 ● Objectives: ○ Combine mouse, keyboard, and navigation skills ○ Complete ICT tasks with increasing independence ○ Show confidence when using the computer ○ Practice being Courageous and Reflective ● Skills focus: ○ Combining mouse, keyboard, and navigation skills ○ Completing tasks independently ● D'TORCH Values: Courageous & Reflective
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 Lesson 24: I am an ICT Star & ICT Check-In ● Objectives: ○ Combine mouse, keyboard, and navigation skills ○ Complete ICT tasks with increasing independence ○ Show confidence when using the computer ○ Practice being Courageous and Reflective ● Skills focus: ○ Combining mouse, keyboard, and navigation skills ○ Completing tasks independently ● D'TORCH Values: Courageous & Reflective Review and Check-in - Q4 Lessons Unit 3 & 4 Assessment