DE LA SALLE LIPA

DEVICE MINIMUM SPECIFICATIONS

FOR SY 2022-2023

Recommended Device Specifications for Purchase

(Any Grade Level)

For Windows

CPU: Intel i5 (10th Gen or newer)
AMD Ryzen (5th Gen)
RAM: 16 GB or higher
GPU: Integrated Graphics
(Intel Graphics)
Capacity: 500 GB SSD
OS: Windows 10 or newer

For MAC

CPU: Apple M1 Chip)
RAM: 8 GB or higher
GPU: Integrated Graphics
Capacity: 256 GB SSD
Mac OSX 10.15

For iPad

CPU: Apple A13 Chip)
Capacity: 128 GB

ANY LEVEL

Nursery 2 & Kindergarten

BYOD Specifications

Note: Computing Device for use during virtual attendance to synchronous classes and for accessing online modules; "no gadget" during in-person attendance

Mobile Devices

- Android tablet, 7-inches or larger (used in a landscape mode), that are running Android 4.2 (Jelly Bean MR1) or later
- iPad that support iOS version 7 or later (preferably iOS 13)

Operating Systems

- Windows 7 and newer
- Mac OSX 10.6 and newer
- Linux – chromeOS

FOR WINDOWS
CPU: Intel i3 (6th Gen)
AMD A4 (6th Gen)
RAM: 4 GB
GPU: Integrated Graphics
(Intel Graphics)
Capacity: 750 GB
OS: Windows 10

Computer Speed & Processor

- Use a computer 5 years old or newer when possible
- 1GB of RAM
- 2GHz processor

Supported Browser

Canvas power by Instructure supports the current and first previous major releases of the following browsers:

- Chrome 101 and 102
- Firefox 100 and 101
- (Extended Releases are not supported*)
- Edge 101 and 102
- Safari 14 and 15 (Macintosh only)

Note: Canvas is not basically supported on mobile browsers. Using Canvas App for Students is recommended for an improved user experience.

Nursery 2 & Kindergarten

BYOD Specifications

Internet Speed

- Canvas accommodates low bandwidth environments.
- Minimum of 512kbps

Screen Readers

- JAWS (latest version for Chrome/Firefox on Windows)
- NVDA (latest version for Chrome/Firefox on Windows)
- VoiceOver (latest version for Safari/Chrome on Macintosh and iOS mobile)
- Talkback (latest version for Android mobile)

N2 & KINDER

Grade 1

Course/Subjects

- All subjects

BYOD Specifications

Note: Computing Device for use during virtual attendance to synchronous classes and for accessing online modules; "no gadget" during in-person attendance

Mobile Devices

- Android tablet, 7-inches or larger (used in a landscape mode), that are running Android 4.2 (Jelly Bean MR1) or later
- iPad that support iOS version 7 or later (preferably iOS 13)

Operating Systems

- Windows 7 and newer
- Mac OSX 10.6 and newer
- Linux – chromeOS

FOR WINDOWS
CPU: Intel i3 (6th Gen)
AMD A4 (6th Gen)
RAM: 4 GB
GPU: Integrated Graphics
(Intel Graphics)
Capacity: 750 GB
OS: Windows 10

Computer Speed & Processor

- Use a computer 5 years old or newer when possible
- 1GB of RAM
- 2GHz processor

Supported Browser

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Internet Speed

- Canvas accommodates low bandwidth environments.
- Minimum of 512kbps

Grade 1

Screen Readers

- JAWS (latest version for Chrome/Firefox on Windows)
- NVDA (latest version for Chrome/Firefox on Windows)
- VoiceOver (latest version for Safari/Chrome on Macintosh and iOS mobile)
- Talkback (latest version for Android mobile)

Note: Canvas is not basically supported on mobile browsers. Using Canvas App for Students is recommended for an improved user experience.

For Windows

CPU: Intel i3 (6th Gen)
AMD A4 (6th Gen)
RAM: 4 GB
GPU: Integrated Graphics
(Intel Graphics)
Capacity: 750 GB
OS: Windows 10

For Mac

CPU: 2.3 GHz dual-core 7th-generation Intel Core i5 Processor turbo boost up to 3.6GHz
RAM: 8GB 2133MHz
LPDDR3 memory
GPU: Intel HD Graphics 6000
Capacity: 128GB SSD storage

Course/Subjects

- TLE

Quarter/Semester

- 3rd Quarter and 4th Quarter

Topic/s

- Introduction to simple coding and Robotics Building

Coding & Robotics (kits) Specifications

- Coding through Doodle (https://bit.ly/CodingThroughDoodle)
- Any Lego blocks

Grade 2

Course/Subjects

- All subjects

BYOD Specifications

Note: Computing Device for use during virtual attendance to synchronous classes and for accessing online modules; "no gadget" during in-person attendance

Mobile Devices

- Android tablet, 7-inches or larger (used in a landscape mode), that are running Android 4.2 (Jelly Bean MR1) or later
- iPad that support iOS version 7 or later (preferably iOS 13)

Operating Systems

- Windows 7 and newer
- Mac OSX 10.6 and newer
- Linux – chromeOS

FOR WINDOWS
CPU: Intel i3 (6th Gen)
AMD A4 (6th Gen)
RAM: 4 GB
GPU: Integrated Graphics
(Intel Graphics)
Capacity: 750 GB
OS: Windows 10

Computer Speed & Processor

- Use a computer 5 years old or newer when possible
- 1GB of RAM
- 2GHz processor

Supported Browser

Canvas power by Instructure supports the current and first previous major releases of the following browsers:

- Chrome 101 and 102
- Firefox 100 and 101
- (Extended Releases are not supported*)
- Edge 101 and 102
- Safari 14 and 15 (Macintosh only)

Note: Canvas is not basically supported on mobile browsers. Using Canvas App for Students is recommended for an improved user experience.

Internet Speed

- Canvas accommodates low bandwidth environments.
- Minimum of 512kbps

Grade 2

Screen Readers

- JAWS (latest version for Chrome/Firefox on Windows)
- NVDA (latest version for Chrome/Firefox on Windows)
- VoiceOver (latest version for Safari/Chrome on Macintosh and iOS mobile)
- Talkback (latest version for Android mobile)

Note: Canvas is not basically supported on mobile browsers. Using Canvas App for Students is recommended for an improved user experience.

For Windows

CPU: Intel i3 (6th Gen)
AMD A4 (6th Gen)
RAM: 4 GB
GPU: Integrated Graphics
(Intel Graphics)
Capacity: 750 GB
OS: Windows 10

For Mac

CPU: 2.3 GHz dual-core 7th-generation Intel Core i5 Processor turbo boost up to 3.6GHz
RAM: 8GB 2133MHz
LPDDR3 memory
GPU: Intel HD Graphics 6000
Capacity: 128GB SSD storage

Course/Subjects

- TLE

Quarter/Semester

- 3rd Quarter and 4th Quarter

Topic/s

- Introduction to simple coding and Robotics Building

Coding & Robotics (kits) Specifications

- Coding through Puzzle (https://bit.ly/BuildYourRobot)
- Any Lego blocks

Grade 3

BYOD Specifications	**Note:** Computing Device for use during virtual attendance to synchronous classes and for accessing online modules; "no gadget" during in-person attendance
Mobile Devices	• Android tablet, 7-inches or larger (used in a landscape mode), that are running Android 4.2 (Jelly Bean MR1) or later • iPad that support iOS version 7 or later (preferably iOS 13)
Operating Systems	• Windows 7 and newer • Mac OSX 10.6 and newer • Linux – chromeOS **FOR WINDOWS** CPU: Intel i3 (6th Gen) AMD A4 (6th Gen) RAM: 4 GB GPU: Integrated Graphics (Intel Graphics) Capacity: 750 GB OS: Windows 10
Computer Speed & Processor	• Use a computer 5 years old or newer when possible • 1GB of RAM • 2GHz processor
Supported Browser	Canvas power by Instructure supports the current and first previous major releases of the following browsers: • Chrome 101 and 102 • Firefox 100 and 101 • (Extended Releases are not supported*) • Edge 101 and 102 • Safari 14 and 15 (Macintosh only) **Note:** Canvas is not basically supported on mobile browsers. Using Canvas App for Students is recommended for an improved user experience.
Internet Speed	• Canvas accommodates low bandwidth environments. • Minimum of 512kbps

Grade 3

Course/Subjects

- All subjects

BYOD Specifications

Screen Readers

- JAWS (latest version for Chrome/Firefox on Windows)
- NVDA (latest version for Chrome/Firefox on Windows)
- VoiceOver (latest version for Safari/Chrome on Macintosh and iOS mobile)
- Talkback (latest version for Android mobile)

For Windows

CPU: Intel i3 (6th Gen)
AMD A4 (6th Gen)
RAM: 4 GB
GPU: Integrated Graphics
(Intel Graphics)
Capacity: 750 GB
OS: Windows 10

For Mac

CPU: 2.3 GHz dual-core 7th-generation Intel Core i5 Processor turbo boost up to 3.6GHz
RAM: 8GB 2133MHz
LPDDR3 memory
GPU: Intel HD Graphics 6000
Capacity: 128GB SSD storage

Course/Subjects

- TLE

Quarter/Semester

- 3rd Quarter and 4th Quarter

Topic/s

- Turtle Programming

Coding & Robotics (kits) Specifications

- Coding through Logo Programming (https://bit.ly/Logo-Programming)

Grade 4

Course/Subjects

- All subjects

BYOD Specifications

For Windows

CPU: Intel i3 (6th Gen)
AMD A4 (6th Gen)
RAM: 4 GB
GPU: Integrated Graphics
(Intel Graphics)
Capacity: 750 GB
OS: Windows 10

For Mac

CPU: 2.3 GHz dual-core 7th-generation Intel Core i5 Processor turbo boost up to 3.6GHz
RAM: 8GB 2133MHz
LPDDR3 memory
GPU: Intel HD Graphics 6000
Capacity: 128GB SSD storage

Course/Subjects

- TLE

Quarter/Semester

- 1st and 2nd Quarter

Topic/s

- Scratch Programming

Coding & Robotics (kits) Specifications

- Coding through Scratch (https://scratch.mit.edu)

Grade 5

Course/Subjects

- TLE

BYOD Specifications

For Windows

CPU: Intel i3 (6th Gen)
AMD A4 (6th Gen)
RAM: 4 GB
GPU: Integrated Graphics
(Intel Graphics)
Capacity: 750 GB
OS: Windows 10

For Mac

CPU: 2.3 GHz dual-core 7th-generation Intel Core i5 Processor turbo boost up to 3.6GHz
RAM: 8GB 2133MHz
LPDDR3 memory
GPU: Intel HD Graphics 6000
Capacity: 128GB SSD storage

Course/Subjects

- All subjects

Quarter/Semester

- 1st and 2nd Quarter

Topic/s

- Robotics Using Arduino

Coding & Robotics (kits) Specifications

- Arduino Uno (Authentic is preferred) - 1pc
- Breadboard - 1pc
- 220 Ohm Resistors - 30 pcs
- Tactile Button 12mm square - 3pcs
- LEDs (Red, Green, Yellow) - 10 pcs per color
- Jumper Wires (Male to Male) - 40 pcs
- Piezo Buzzer - 1 pc

Grade 6

Course/Subjects

- All subjects

BYOD Specifications

For Windows

CPU: Intel i3 (6th Gen)
AMD A4 (6th Gen)
RAM: 4 GB
GPU: Integrated Graphics
(Intel Graphics)
Capacity: 750 GB
OS: Windows 10

For Mac

CPU: 2.3 GHz dual-core 7th-generation Intel Core i5 Processor turbo boost up to 3.6GHz
RAM: 8GB 2133MHz
LPDDR3 memory
GPU: Intel HD Graphics 6000
Capacity: 128GB SSD storage

Course/Subjects

- TLE

Quarter/Semester

- 3rd Quarter and 4th Quarter

Topic/s

- Robotics Using Arduino

Coding & Robotics (kits) Specifications

- Arduino Uno Authentic is preferred) - 1pc
- Breadboard - 1pc
- 220 Ohm Resistors - 30 pcs
- Tactile Button 12mm square - 3pcs
- LEDs (Red, Green, Yellow) - 10 pcs per color
- Jumper Wires (Male to Male) - 40 pcs
- Piezo Buzzer - 1 pc
- Potentiometer 10kOhm - 3 pcs
- RGB Module - 1 pc

Grade 7

Course/Subjects

- All subjects

BYOD Specifications

For Windows

CPU: Intel i3 (6th Gen)
AMD A4 (6th Gen)
RAM: 4 GB
GPU: Integrated Graphics
(Intel Graphics)
Capacity: 750 GB
OS: Windows 10

For Mac

CPU: 2.3 GHz dual-core 7th-generation Intel Core i5 Processor turbo boost up to 3.6GHz
RAM: 8GB 2133MHz
LPDDR3 memory
GPU: Intel HD Graphics 6000
Capacity: 128GB SSD storage

Course/Subjects

- TLE

Quarter/Semester

Note: At most 6 sections will have their Robotics curriculum in either the 1st or 2nd quarter and the remaining sections will have theirs in either the 3rd or 4th quarter.

Topic/s

- Robotics Using Arduino

Grade 7

Coding & Robotics (kits) Specifications

Arduino Uno - (Authentic is preferred) - 1 pc
Breadboard - 1 pc
220 Ohm Resistors - 30 pcs
Tactile Button 12mm square - 3 pcs
LEDs (Red, Green, Yellow) - 10 pcs per color
Jumper Wires (Male to Male) - 40 pcs
Piezo Buzzer - 1 pc
Additional Jumper wires (Female to male) - 30 pcs
Servo Motors (Models SG90 or MG90s) - 2 pcs
9V battery and 9V battery terminal with barrel connectors - 1 pc
2Wheel Drive smart robot car chassis - Includes a battery pack, 2 DC motors w/ wheels and chassis
DC Motor driver model L298N - 1 pc
Infrared IR proximity sensor - 2 pcs
Ultrasonic sensor - 2 pcs

Grade 8

Course/Subjects

- All subjects

BYOD Specifications

For Windows

CPU: Intel i3 (6th Gen)
AMD A4 (6th Gen)
RAM: 4 GB
GPU: Integrated Graphics
(Intel Graphics)
Capacity: 750 GB
OS: Windows 10

For Mac

CPU: 2.3 GHz dual-core 7th-generation Intel Core i5 Processor turbo boost up to 3.6GHz
RAM: 8GB 2133MHz
LPDDR3 memory
GPU: Intel HD Graphics 6000
Capacity: 128GB SSD storage

Course/Subjects

- TLE

Quarter/Semester

Note: At most 6 sections will have their Robotics curriculum in either the 1st or 2nd quarter and the remaining sections will have theirs in either the 3rd or 4th quarter.

Topic/s

- Robotics using Arduino Uno

Grade 8

Coding & Robotics (kits) Specifications

Arduino Uno - (Authentic is preferred) - 1 pc
Breadboard - 1 pc
220 Ohm Resistors - 30 pcs
Tactile Button 12mm square - 3 pcs
LEDs (Red, Green, Yellow) - 10 pcs per color
Jumper Wires (Male to Male) - 40 pcs
Piezo Buzzer - 1 pc
Additional Jumper wires (Female to male) - 30 pcs
Servo Motors (Models SG90 or MG90s) - 2 pcs
9V battery and 9V battery terminal with barrel connectors - 1 pc
2Wheel Drive smart robot car chassis
Includes a battery pack, 2 DC motors w/ wheels and chassis
DC Motor driver model L298N - 1 pc
Infrared IR proximity sensor - 2 pcs
Ultrasonic sensor - 2 pcs

Grade 9

Course/Subjects

- All subjects

BYOD Specifications

For Windows

CPU: Intel i3 (6th Gen)
AMD A4 (6th Gen)
RAM: 4 GB
GPU: Integrated Graphics
(Intel Graphics)
Capacity: 750 GB
OS: Windows 10

For Mac

CPU: 2.3 GHz dual-core 7th-generation Intel Core i5 Processor turbo boost up to 3.6GHz
RAM: 8GB 2133MHz
LPDDR3 memory
GPU: Intel HD Graphics 6000
Capacity: 128GB SSD storage

Course/Subjects

- TLE

Quarter/Semester

Note: At most 6 sections will have their Robotics curriculum in either the 1st or 2nd quarter and the remaining sections will have theirs in either the 3rd or 4th quarter.

Topic/s

- Robotics using Arduino Uno

Grade 9

Coding & Robotics (kits) Specifications

Arduino Uno - (Authentic is preferred) - 1 pc
Breadboard - 1 pc
220 Ohm Resistors - 30 pcs
Tactile Button 12mm square - 3 pcs
LEDs (Red, Green, Yellow) - 10 pcs per color
Jumper Wires (Male to Male) - 40 pcs
Piezo Buzzer - 1 pc
Additional Jumper wires (Female to male) - 30 pcs
Servo Motors (Models SG90 or MG90s) - 2 pcs
9V battery and 9V battery terminal with barrel connectors - 1 pc
2Wheel Drive smart robot car chassis
Includes a battery pack, 2 DC motors w/ wheels and chassis
DC Motor driver model L298N - 1 pc
Infrared IR proximity sensor - 2 pcs
Ultrasonic sensor - 2 pcs
Touch Sensor - 1 pc
Gas Sensor - 1 pc
Motion Sensor - 1 pc

Grade 10

Course/Subjects

- All subjects

BYOD Specifications

For Windows

CPU: Intel i3 (6th Gen)
AMD A4 (6th Gen)
RAM: 4 GB
GPU: Integrated Graphics
(Intel Graphics)
Capacity: 750 GB
OS: Windows 10

For Mac

CPU: 2.3 GHz dual-core 7th-generation Intel Core i5 Processor turbo boost up to 3.6GHz
RAM: 8GB 2133MHz
LPDDR3 memory
GPU: Intel HD Graphics 6000
Capacity: 128GB SSD storage

Course/Subjects

- TLE

Quarter/Semester

Note: At most 6 sections will have their Robotics curriculum in either the 1st or 2nd quarter and the remaining sections will have theirs in either the 3rd or 4th quarter.

Topic/s

- Robotics Using Raspberry Pi

Grade 10

Coding & Robotics (kits) Specifications

Raspberry Pi 3B+ or Raspberry Pi 4 Model B SET - 1 pc
RPi Case (Aluminum or Plastic) - 1 pc
Breadboard - 1 pc
RPi Power Supply (3A) -1 pc
Appropriate HDMI cable
*If RPi4 - mini HDMI to HDMI cable
*If RPi3- full HDMI cable - 1 pc
Micro SD Card to USB adaptor - 1 pc
Micro SD Card 32GB - 1 pc
220 Ohm Resistors - 30 pcs
Tactile Button 12mm square - 3 pcs
LEDs (Red, Green, Yellow) - 10 pcs per color
Jumper Wires (Female to Male) -40 pcs
Jumper Wires (Male to Male) - 20 pcs
Servo Motors MG996R 180 degrees (All Metal Gear) - 2 pcs
IR Proximity Sensor

Grade 11 - STEM

Course/Subjects

- All subjects

BYOD Specifications

For Windows

CPU: Intel i3 (6th Gen)
AMD A4 (6th Gen)
RAM: 4 GB
GPU: Integrated Graphics
(Intel Graphics)
Capacity: 750 GB
OS: Windows 10

For Mac

CPU: 2.3 GHz dual-core 7th-generation Intel Core i5 Processor turbo boost up to 3.6GHz
RAM: 8GB 2133MHz
LPDDR3 memory
GPU: Intel HD Graphics 6000
Capacity: 128GB SSD storage

Course/Subjects

- ICT Learn

Quarter/Semester

First Semester

Topic/s

- Python

Coding & Robotics (kits) Specifications

Raspberry Pi kit is not required, but there will be enrichment activities for students who have the kit (particularly former Grade 10 students from DLSL)

Grade 11 - ABM

Course/Subjects

- All subjects

BYOD Specifications

For Windows

CPU: Intel i3 (6th Gen)
AMD A4 (6th Gen)
RAM: 4 GB
GPU: Integrated Graphics
(Intel Graphics)
Capacity: 750 GB
OS: Windows 10

For Mac

CPU: 2.3 GHz dual-core 7th-generation Intel Core i5 Processor turbo boost up to 3.6GHz
RAM: 8GB 2133MHz
LPDDR3 memory
GPU: Intel HD Graphics 6000
Capacity: 128GB SSD storage

Course/Subjects

- ICT Learn

Quarter/Semester

First Semester

Topic/s

- Webpage Designing
- Excel

Grade 11 - HUMSS

Course/Subjects

- All subjects

BYOD Specifications

For Windows

CPU: Intel i3 (6th Gen)
AMD A4 (6th Gen)
RAM: 4 GB
GPU: Integrated Graphics
(Intel Graphics)
Capacity: 750 GB
OS: Windows 10

For Mac

CPU: 2.3 GHz dual-core 7th-generation Intel Core i5 Processor turbo boost up to 3.6GHz
RAM: 8GB 2133MHz
LPDDR3 memory
GPU: Intel HD Graphics 6000
Capacity: 128GB SSD storage

Course/Subjects

- ICT Learn

Quarter/Semester

First Semester

Topic/s

- Graphic Design
- Video Editing
- Web Page Designing

Grade 12 - HUMSS

Course/Subjects

- All subjects

BYOD Specifications

For Windows

CPU: Intel i3 (6th Gen)
AMD A4 (6th Gen)
RAM: 4 GB
GPU: Integrated Graphics
(Intel Graphics)
Capacity: 750 GB
OS: Windows 10

For Mac

CPU: 2.3 GHz dual-core 7th-generation Intel Core i5 Processor turbo boost up to 3.6GHz
RAM: 8GB 2133MHz
LPDDR3 memory
GPU: Intel HD Graphics 6000
Capacity: 128GB SSD storage

Course/Subjects

- WICreate 1

Quarter/Semester

First Semester

Topic/s

- Multimedia Content Creation

Grade 12 - STEM

Course/Subjects

- All subjects

BYOD Specifications

For Windows

CPU: Intel i3 (6th Gen)
AMD A4 (6th Gen)
RAM: 4 GB
GPU: Integrated Graphics
(Intel Graphics)
Capacity: 750 GB
OS: Windows 10

For Mac

CPU: 2.3 GHz dual-core 7th-generation Intel Core i5 Processor turbo boost up to 3.6GHz
RAM: 8GB 2133MHz
LPDDR3 memory
GPU: Intel HD Graphics 6000
Capacity: 128GB SSD storage

Course/Subjects

- WICAPS

Quarter/Semester

First Semester

Topic/s

- App Development
- Tinkercad with 3D Printing

Grade 12

Course/Subjects

- All subjects

BYOD Specifications

For Windows

CPU: Intel i3 (6th Gen)
AMD A4 (6th Gen)
RAM: 4 GB
GPU: Integrated Graphics
(Intel Graphics)
Capacity: 750 GB
OS: Windows 10

For Mac

CPU: 2.3 GHz dual-core 7th-generation Intel Core i5 Processor turbo boost up to 3.6GHz
RAM: 8GB 2133MHz
LPDDR3 memory
GPU: Intel HD Graphics 6000
Capacity: 128GB SSD storage

Course/Subjects

- Information and Media Literacy

Quarter/Semester

Second Semester

Topic/s

- Multimedia Development
- Presentation

www.dlsl.edu.ph