



KINGSWOOD  
OXFORD

# Recommended Technical Specifications for Middle School and High School Laptops

## Summary

This document outlines the recommended technical specifications for laptops to be used by KO middle school and high school students. These guidelines are designed to ensure that the devices support the educational needs of students while providing a balance of performance, durability, and cost-effectiveness.

## Middle School Laptop Specifications

### Processor:

- Intel Core i3 (12th Gen or newer) or AMD Ryzen 3 (5000 series or newer)
- For Chromebooks: MediaTek Kompanio or Intel N-series acceptable
- Minimum 2.0 GHz base speed

### RAM:

- Minimum 8 GB

### Storage:

- 256 GB SSD or higher
- Chromebooks: 64 GB eMMC minimum

  
**Display:**

- 11 to 14-inch screen
- Resolution: 1920x1080

**Battery Life:** Minimum 10 hours of continuous use

**Operating System:**

- Windows 11 or macOS 13 (Ventura) or later
- Chrome OS is also acceptable

**Connectivity:**

- Wi-Fi 5 (802.11ax)
- Bluetooth 5.1 or newer
- Minimum 2 USB Type-A and 1 USB Type-C port

**Webcam and Microphone:**

- Integrated HD webcam (720p)
- Built-in microphone

**Durability:**

- Reinforced chassis and keyboard for durability
- Spill-resistant keyboard recommended

**Weight:**

- Ideally under 3.5 lbs for portability

**Security:**

- TPM 2.0 or equivalent for data encryption
- Antivirus software

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# Upper School Laptop Specifications

## **Processor:**

- Intel Core i5 (12th Gen or newer) or AMD Ryzen 5 (5000 series or newer)
- M1/M2/M3 chip if MacBook

## **RAM:**

- Minimum 8 GB, preferably 16 GB for students in advanced programs or those using resource-intensive applications

## **Storage:**

- 256 GB SSD or higher

## **Display:**

- 13 to 15-inch screen
- Resolution: 1920 x 1080 pixels (Full HD) or higher

## **Battery Life:**

- Minimum 8 hours of continuous use, 10+ hours preferred

## **Operating System:**

- Windows 11 or macOS 13 (Ventura) or later

## **Connectivity:**

- Wi-Fi 6
- Bluetooth 5.2 Minimum
- 2 USB Type-A ports and 1 USB Type-C port
- HDMI port recommended

  
**Webcam and Microphone:**

- Integrated HD webcam (1080p)
- Built-in microphone with noise reduction

**Graphics:**

- Integrated graphics acceptable for most uses
- Dedicated graphics (e.g., Intel IrisXE or NVIDIA GeForce RTX series) recommended for students in graphic design, video editing, or other multimedia courses

**Durability:**

- Reinforced chassis and keyboard
- Spill-resistant keyboard recommended

**Weight:**

- Ideally under 4 lbs for portability

**Security:**

- TPM 2.0 or equivalent for data encryption
- Fingerprint reader or facial recognition preferred
- Antivirus software