



# AIMS

## Bring Your Own Device (BYOD) Program Guide

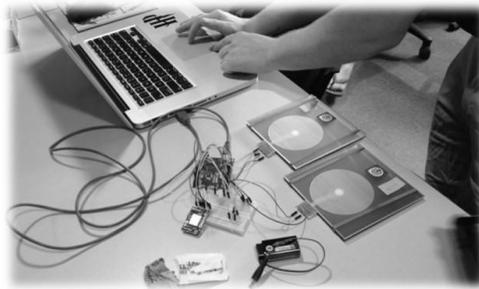
**Information for Parents and Students**



# Introduction

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As the world increasingly becomes interconnected, many schools are likewise exploring further the strategic role of technology in their learning communities. Digital technologies continually engage learners to discover potential ways to enhance, augment and even redefine the learning process. Innovative learning technologies help students to develop 21<sup>st</sup> century communication, collaboration, creativity and critical thinking skills that are essential in preparing them to become future-ready global citizens. At AISM, technology initiatives aim to challenge students and teachers to pursue relevant and purposeful ways to integrate technology into meaningful learning experiences.

Beginning SY 2018-2019, the Bring Your Own Device (BYOD) program will be extended to Grades 7 to 12 students. In this amended program, students are expected to bring, use and manage their own laptops as their primary device for learning purposes in school and at home.

## Why BYOD?

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Technology is one of the primary drivers in an ever-changing world and is a device that, when utilized appropriately, accelerates learning. For the past three years, AISM has operated a 1:1 iPad program in grades 6-8 and a Bring Your Own Device (BYOD) policy in grades 9-12. During the 2017-2018 school year, the school engaged in a study of our technology implementation. This study included a survey of our grade 9-12 students. The survey data indicated that the vast majority of students in our BYOD program

preferred a laptop as a learning tool, and that they frequently supplemented the laptop with a mobile device such as a smartphone. In addition, some students in Grades 6 to 8, supplemented the current 1:1 iPad program by bringing their own laptops. In studying our school-wide technology implementation, two things emerged. First, students that have access to a technological tool during learning were at a significant advantage. Second, the clear technological tool of preference of teachers and students was a laptop.

Our study also confirmed previously identified benefits that come with the implementation of a BYOD program. By requiring students to bring their own laptop, we aim to:

- provide a access to the expansive learning resources available online

- promote greater student agency in the choice and technical familiarity of learning tools
- provide more opportunities for diverse/multiple modalities and representations of student learning
- support efficient student to student and student to teacher collaboration
- enhance student work productivity and creativity
- teach students to become more accountable and responsible in their use of technology

## Program Overview

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The Bring Your Own Device (BYOD) program is part of a comprehensive, school-wide technology strategy that spans from early childhood to Grade 12. The specific impact of BYOD is as follows:

- All students in Grades 9 to 12 in the secondary school are required to bring a laptop school which will function as their primary learning tool at AISM.
- The 1:1 iPad program that has operated in Grade 6 to 8 will be eliminated out starting SY 2018-2019.
- All students in Grades 7 and 8 in the secondary school are asked to bring a laptop to school to function as their primary learning tool. If a student is unable to bring a laptop to school, a school issued Chromebook will be assigned to them as their primary learning tool.
- Starting in SY 2018-2019, Grade 6 students will be issued school-own Chromebooks for use at school only. The Chromebooks will not be sent home. The Chromebooks limit to at-school use is based on developmentally appropriate educational practice and supports the growing body of research around screen time exposure at younger ages.
- Starting in SY 2019-2020, the school based Chromebook program will be extended to grade 4 and 5.
- Our technology infrastructure is multi-platform and facilitates the use of both Mac and PC platforms. This multi-platform approach is designed to allow for maximum choice.

- In addition to laptops, AISM allows students connect additional devices to our network (e.g. smartphones and tablets).

# BYOD Specifications

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AISM runs a multi-platform technology infrastructure allowing form both Mac and PC computers, as well as many forms of mobile devices. In order to support families in selecting a computer that will meet the student learning needs, AISM has established two technical specification profiles for the BYOD program; minimum and recommended. These technical specifications were established in collaboration with the AISM Information Technology (IT) Department to ensure that students are able to access the required software applications in support of their learning. Any additional questions about technological specifications should be directed to the AISM IT Department.Á

	Mac		PC	
	Minimum Specification	Recommended	Minimum Specification	Recommended
<b>1. Operating System</b> Á T ~ • Á ~ ] ] ] ! : Á Ö *   á @	Mac OS Sierra	Updated within the last 12 months or higher	Windows 10	Updated within the last 12 months or higher.Á
<b>2. Processor (CPU)</b> Ö ] [ ~ * @ ] , ^ ! Á † ! Á ~   á ^ á á Á ç á , á * Á } á Á & ! ^ á á }	Intel Core i5	Intel Core i7	Intel Core i5	Intel Core i7.Á
<b>3. RAM</b> Á Ö ] [ ~ * @ U Ç Á ! Á { ~   á ^ á á Á	8GB	16GB	8GB	16GB

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<p><b>4. Hard Drive</b></p> <p>Ò  ~* @ ^{    ^Á  f  Á ^•ç{ A  !^•  ~ &amp;^•ãã áÁ   ã^Áã^•Á Æ Æ  çã^  • Æ  Á</p>	500 GB	1 TB	500 GB	1 TB
<p><b>5. WiFi</b></p> <p>Û^æ[] } æ ^Á  •] ^^áÁ ^^á^á^Á  æ&amp;^••Á@Á  •&amp;@   Á ã^ ••Á  æ&amp;^••Á   ã ç Æ</p>	802.11g/n/ac, WPA2-PSK/ WPA2-Enterp rise/802.1x,  Dual-Band 2.4GHz + 5GHz	802.11g/n/ac, WPA2-PSK/ WPA2-Enterp rise/802.1x,  Dual-Band 2.4GHz + 5GHz	802.11g/n/ac, WPA2-PSK/ WPA2-Enterp rise/802.1x,  Dual-Band 2.4GHz + 5GHz	802.11g/n/ac, WPA2-PSK/ WPA2-Enterp rise/802.1x,  Dual-Band 2.4GHz + 5GHz

**Required Software/Applications:**

Students must install the following on their devices at no cost:

	Mac	PC
Internet Browser	Chrome	Chrome
Productivity and collaboration	G Suite for Education: Ö:ã^ÆÖ  & Æ ã^•Æ Û@^•ÆÖ   { • Æ ã^•Æ&	G Suite for Education: Ö:ã^ÆÖ  & Æ ã^•Æ Û@^•ÆÖ   { • Æ ã^•Æ&
Video player	Quicktime	VLC Player

Video editing	iMovie	Windows Movie Maker or similar
Audio recorder	Audacity Lame MP3 converter	Audacity Lame MP3 converter
Antivirus	AVG free antivirus Avira free antivirus Sophos free antivirus	AVG free antivirus Avira free antivirus

In some instances, school courses require speciality software applications. These specialized software tools will be provided by the school. They are as follows:

	Mac	PC
Subject-specific apps for selected student devices	<ul style="list-style-type: none"> <li>Adobe Creative Cloud:</li> <li>Vernier for science labs</li> <li>Design software as needed</li> </ul>	

	Mac	PC
Laptop/Mobile tracking	Prey Project Find My Mac	Prey Project
Others	Java Google Earth Geogebra	Java Google Earth Geogebra

## Expectations for Use

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The BYOD program strongly promotes digital citizenship to guide students in responsible technology use. Students and parents must understand and sign the [AISM Student Acceptable Use Policy \(AUP\)](#) at the start of each school year. Students and parents must abide by the following BYOD guidelines:

### Device care and protection:

- While on campus, and moving to and from school, students need to ensure that their devices are safely secured and not left unattended.
- Students must bring their devices fully charged each school day. They also need to bring the necessary cords, connectors and earphones/headsets. All student devices must be clearly labeled with the student's name and grade.
- Students are advised to use a protective carrying case, sleeve or bag to protect their devices.
- Parents are responsible for the cost of repair or replacement of their devices or any accessories in case of loss, theft, damage or negligence, whether deliberate, accidental or reckless. The school is not responsible for the security of student-owned devices.
- If a student's device is damaged or lost the owner of the device must immediately report any device damage or loss to the secondary office.
- AISM highly recommends that students install a tracking software to help locate their computer if it were lost or stolen.

### **Misuse of devices:**

- Student devices are to be used for educational purposes. Students should minimize activities that disrupt the others.
- Students should always be aware of their privacy and the privacy of others.
- Students should only access appropriate websites, media, software, and media. Only legally licensed software, apps, media, or other data approved by the school are permitted. Violations may result in disciplinary action.

### **Using devices at home:**

- Parents or guardians are responsible for monitoring their child's use of devices at home to ensure that only appropriate websites are accessed and only appropriate software/apps are installed.

## Frequently Asked Questions

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Who is responsible for the maintenance and updates of student devices?

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How is “cyber safety” ensured in the BYOD program?

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How do students store and share their digital work?

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Are the student devices monitored?

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## Resources for Parents

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Read more about BYOD initiatives and parental guidance on student technology use.

[Google Safe Search](#)

[Parent's Ultimate Guide to Youtube](#)

[How to set safety mode in Youtube](#)

[BYOD: A Global Perspective](#)

[Why BYOD Makes Sense](#)

[Common Sense Media](#)