

Issaquah School District  
Executive Limitations Monitoring Report  
April 28, 2022  
EL-15 TECHNOLOGY – Annual Internal Report

**The Superintendent certified that the District is in compliance with EL-15 with no exceptions.**

***The Superintendent shall not fail to establish and maintain technology systems and applications consistent with the accomplishment of the Board’s Ends.***

Accordingly, the Superintendent shall not fail to:

***1. Provide equitable access to technology throughout the district.***

**Interpretation:**

I interpret this to mean that district administrative leadership in collaboration with the Educational Technology Department and IT/Infrastructure Department shall have a system-wide process for assuring equal access to technology through the district.

**Evidence of Compliance:**

Each year the district implements replacement cycles at each school. Computers/laptops are on a five-year replacement cycle (Board directed). In the late spring/early fall, School Technology Teams are provided with the amount available to them for their replacement cycle. The School Technology Teams select the district-standard replacements for their school that best suit their school’s needs. School Technology Teams also allocate classroom laptops, tablets, non-classroom computers, electronic response systems within their school.

Other equipment on replacement cycles include document cameras, and projectors. Those are replaced as needed and managed by the school’s Technology Specialist.

Additional Technology Levy allocations are provided to each school for libraries (\$5,000 elementary, \$10,000 secondary) non-classroom computers (4 elementary, 6 middle school, 8 high school), and for School Technology Teams (\$10 per FTE) to spend on printers, online subscriptions and other additional district-standard items in their school specifically to improve student learning. Schools use our Digital Resource Request process to request approval of online subscriptions. The process along with the list of approved tools can be found on our [Ed Tech website for staff](#).

An additional replacement cycle may be made in the spring if other Tech Levy line items allow.  
[Tech Levy 2019-2022 Board Summary - Capital Levy: Technology Springboard Proposal](#)

Each classroom includes a teacher desktop and document camera connected to a projection device. The table below shows the ratio of students to computers as of April 1, 2020 plus additional equipment available to staff and students.

School	FTE as of 4/1/2021 - COVID-19	Instructional laptops	Ratio: Students to Instruc. Computers	Instructional desktops	Instructional desktops & laptops-classrooms, labs, library	Ratio: Students to Instructional Computers/FTE	Tablets	Non-classroom computers	Electronic Student Response Systems	Doc Cams	Non-Interactive Displays <sup>1</sup>	Interactive Displays <sup>2</sup>
AP	533.14	445	0.9	143	588	0.9 : 1	127	134	10	50	38	31
BW	627.00	527	1.0	86	613	1 : 1	105	131	11	52	17	5
CA	442.07	529	0.7	122	651	0.7 : 1	45	121	17	41	42	32
CH	514.87	451	1.1	15	466	1.1 : 1	35	165	4	44	41	32
CL	708.00	525	1.3	23	548	1.3 : 1	53	158	3	54	2	52
CR	522.60	589	0.7	131	720	0.7 : 1	149	145	3	37	28	37
CS	681.96	481	1.2	93	574	1.2 : 1	68	144	11	44	43	41
DS	611.14	654	0.9	32	686	0.9 : 1	36	129	4	48	44	51
EN	508.29	497	1.0	15	512	1 : 1	23	111	4	38	33	43
GR	609.00	442	1.0	162	604	1 : 1	125	273	24	43	40	48
IVE	555.07	372	1.4	37	409	1.4 : 1	94	227	6	44	35	30
MH	391.00	344	1.1	21	365	1.1 : 1	69	100	16	25	25	19
NC	546.02	614	0.9	25	639	0.9 : 1	84	114	10	41	42	29
SH	801.18	476	1.5	60	536	1.5 : 1	100	147	5	52	9	42
SS	533.38	383	1.3	27	410	1.3 : 1	140	160	0	37	33	41
BLMS	812.77	701	1.0	114	815	1 : 1	138	246	12	42	45	36
IMS	960.94	1032	0.9	96	1128	0.9 : 1	25	178	9	53	32	1
MMS	1,163.06	1087	1.0	135	1222	1 : 1	62	198	22	58	40	19
PCMS	1,010.12	790	1.0	267	1057	1 : 1	25	314	5	37	48	24
PLMS	952.05	976	0.9	104	1080	0.9 : 1	27	214	0	46	9	42
IHS	2,089.77	1470	1.2	301	1771	1.2 : 1	212	403	5	93	108	4
LHS	1,280.54	1641	0.7	264	1905	0.7 : 1	6	396	3	72	69	1
SHS	1,907.45	1800	0.9	304	2104	0.9 : 1	183	618	5	81	81	4
GK	152.86	84	1.5	15	99	1.5 : 1	1	124	0	6	6	2

<sup>1</sup> Includes instructional non-interactive projectors & flat panel monitors

<sup>2</sup> Includes instructional interactive projectors, flat panel monitors, ActivBoards & Mimios/eBeams

**Instructional desktops, laptops in classrooms labs and library:** Any desktop or laptop that is used by students 50% or more of the time.

**Tablets:** Mostly iPads

**Non-classroom computers:** Office computers, custodial, kitchen, dedicated teacher computers, and computers stored waiting for surplus. Skyline has extra computers because each classroom has a desktop plus a desktop in a separate office for the teacher (plus their teacher laptop).

In addition to the inventory listed above there is a wide variety of assistive and adaptive technology devices for dedicated use by students with an IEP or 504. [This includes iPads, technology to assist visually challenged students, amplification, special keyboards and mice.](#)

Our ELL students also utilize technology to make learning accessible. [2020-2021 ELL Data](#)

Internet Service is provided to the Issaquah School District by the K-20 network. I-Net2 high speed fiber is leased from King County.

Personal electronic devices may be used by students as outlined in the [Electronic Resources policy.](#)

### **Covid-19 Impact**

School began in a remote setting for the 2020-21 school year. Students who needed a laptop to access school from home were provided with a school issued device in August/September. Additionally hot spots were provided to students who needed internet access at home.

Elementary teachers utilized Clever, Seesaw, Teams and Zoom to hold class, facilitate learning and communicate with families.

Secondary teachers utilized Canvas, Classlink and Zoom to hold class, facilitate learning and communicate with families.

In early February schools began to transition to in-person learning and hybrid learning. By mid-April all schools had an in-person option available to students.

## ***2. Provide a comprehensive technology plan that directs the outcomes and priorities for the expenditure of technology resources.***

### **Interpretation:**

All funding for technology in the Issaquah School District comes from the Issaquah community. Every four years the district administrative leadership in collaboration with the Educational Technology Department and with input from schools develops a technology expenditure proposal. The proposal is presented as a springboard to the Community Bond and Levy Committee for their review, input, and revision. After completion of the community process, the plan is presented to the School Board for their final review and revision. With Board approval a proposal is presented to the community for a vote.

## **Evidence of Compliance:**

### [Technology Plan 2019](#)

The most recent Technology Levy was created as outlined above and voted on in February 2018. The community voted to accept the Technology Levy. [Tech Levy 2019-2022 Board Approved.](#)

### ***3. Provide access to advanced, technologically rigorous courses for students.***

## **Interpretation:**

I interpret this to mean that the district offers technology courses providing advanced technology experiences and equipment for students in which they focus specifically on content that challenges them to think, create, and innovate in ways otherwise unavailable to them.

## **Evidence of Compliance:**

The following classes are technologically rigorous as defined by the software and hardware students learn to use while in the class:

High School			
Adv Journalistic Writing (ENG355)	SHS	I-Vision TV/Video Production 1 (INT251)	IHS
Advance Computer Science Topics/Projects (COM335)	IHS, LHS	TV/Video Production 2 (INT350)	LHS, SHS
Advance Ele Engineering (7ELE05)	SHS	I-Vision T/Video Production 2 (INT351)	IHS
AP Computer Science (COM600)	IHS, LHS	TV/Video Production 3 (INT450)	LHS
Cybersecurity (INT146)	IHS	TV Production 3 (INT451)	SHS
Graphic Design 1 (INT240)	LHS, IHS, SHS	Journalism (ENG350)	IHS, LHS
Graphic Design 2 (INT241)	IHS, SHS	Journalism 2 (ENG351)	IHS
Graphic Design 3 (TEC101)	IHS	Journalistic Writing (ENG354)	LHS, SHS
IB Computer Science HL (COM651)	SHS	Photography 1 & 2 (ART125, ART225)	IHS
IB Computer Science SL (COM650)	SHS	Project in Robotics (7TEC04)	IHS
Interactive Media 1 (INT140)	IHS	Robotics Lab (7TEC01) 7th period	LHS, SHS
Intro Computer Science (INT245)	IHS, LHS, SHS	Web Site Design (COM330)	IHS, LHS, SHS
Intro to Engineering Design (INT435)	IHS, LHS	Yearbook (INT160)	IHS, LHS, SHS
Intro Video Production (INT150)	LHS	Yearbook 2 & 3 (INT161, INT162)	IHS, SHS
Television Production (INT250)	LHS, SHS		
Gibson Ek Classroom Learning Experiences			
Hackathon, Podcasting, Your First 3D Print, Student Media, Building a Minecraft Server, Tinkering with TinkerCAD, Cybersecurity & Hacking, Photography, YouTube 1 & 2, Intro to Computer Science, and Game & App Design			

## Middle School

Digital Photography (KDP060, KDP078)	BLMS, IMS, MMS, PCMS	Makerspace (KSP078)	BLMS
TV & Video Production (KVP078, KTP678, KVI678, KIL078, KVP060, KVD078)	BLMS, IMS, PCMS	Principles of Flight	PCMS
Automation and Robotics (KRA078)	IMS, MMS, BLMS	Yearlong Computer Science Discoveries: Web, Game, & App Design (KIN101, KIN102, KIN103, KIN104, KCS678)	PCMS, PLMS, MMS, BLMS
Design and Modeling (KDM078)	IMS, MMS, BLMS	Yearbook	BLMS, IMS, MMS, PCMS, PLMS
Inventors Lab (KIN078)	PCMS		

## Elementary School

Science Tech Magnet serving grades 4 and 5      BW, CL, CA      Draws from all elementary schools

The elementary social studies adoption team created a variety of lessons integrating technology including Actively Learn, Google Earth, and Google Expeditions. The first year of the new adoption is 18/19 school year.

### ***4. Establish expectations of use of technology by staff and students.***

#### **Interpretation:**

I interpret this to mean that

- All middle school students will complete the required TechSmart class to assure they understand and can use technology as a learning tool in multiple ways throughout their classes and learning activities. TechSmart curriculum is updated yearly.
- Staff will integrate technology appropriately throughout their curriculum and student learning activities to provide an environment where students use technology as they would use any other tool to learn, create, produce, publish, and collaborate.
- The adoption process for Teaching and Learning Services includes representation from the Educational Technology department to provide guidance and input on technologies to support curriculum and student learning.
- All students in grades 3-11 will take Smarter Balanced Assessments on a computer. The annual SBA assessment was postponed by OSPI due to the Covid Pandemic.

#### **Evidence of Compliance:**

- Written in the IEA-ISD contract is the goal of providing a powerful student centered 21<sup>st</sup> century learning environment where students are actively engaged in using technology in individual and collaborative learning activities.
- Technology Levies generously approved by our community for the Issaquah School District have provided the technology resources for all of our schools to have high level access to equipment and to the Internet.

- Technology Levies also have provided training for teachers so those who have participated have the background to create classrooms that have the instruction and daily student learning experiences students need to reach E-2, part 2.
- During the 2016/17 school year a committee of 15 elementary school teachers led by two of our Instructional Technology Specialists developed a technology sequence of skills for K-5 students and identified five core tools for teachers to integrate into the curriculum that will help students learn and practice the technology skills. The core tools along with the ISTE standards serve as a focus for Ed Tech professional development.

The elementary social studies adoption team included a variety of lessons which integrate various technologies such as Google Expeditions, Google Earth, Actively Learn, and Office365. TechSmart Enrollment by School

School	Students enrolled in TechSmart 2020-21 School Year
Issaquah MS	295
Maywood MS	379
Pine Lake MS	175
Beaver Lake MS	273
Pacific Cascade MS	186
Total	1,308

The SpeakUp Survey was not administered in 2020-21 due to Covid-19. The survey has resumed and will be completed by all middle school students in Spring of 2022.

***5. Maintain a computing environment that is safe, secure and reliable for students and staff.***

**Interpretation:**

I interpret this to mean that the Issaquah School District Information Technology Department uses every tool available to provide a safe, secure, and reliable network and learning environment for students and staff.

**Evidence of Compliance:**

- Internet Safety Training provided yearly to all students K-12.
- All students must sign the Student Responsible Use Agreement.
- Central CIPA filtering device also blocks access to known malware sites; updates real-time.
- Centrally managed antivirus/antispyware on all district windows machines; updates daily.
- Direct windows security updates – realtime.
- Internet e-mail double-scanned for viruses and malware; real-time.

- Server storage access secured by district network account permissions.
- Nightly backups of server-based files to disc or tape; tapes rotated into fire-proof safe storage.
- Disc backup located in different physical location (IVE) from server storage (Admin).
- BYOD wireless Internet-access network firewalled from ISD network, and from peer-to-peer communication.
- Redundant firewalls protect ISD against Internet attacks.
- Redundant power source to help ensure the network keep running.
- 2-Factor Authentication enabled for network administrative accounts

Only three of our secondary schools reported violations of the student 6-12 Responsible Use Agreement resulting in student discipline.

	Cellular Phones		Electronic Devices		Inappropriate Computer Use	
	# of Students	# of Infractions	# of Students	# of Infractions	# of Students	# of Infractions
Beaver Lake Middle School	0	0	1	1	0	0
Liberty High School	0	0	0	0	0	0
Skyline High School	0	0	3	0	0	0

	Misuse Internet		Misuse Network		Telecommunication Devices	
	# of Students	# of Infractions	# of Students	# of Infractions	# of Students	# of Infractions
Beaver Lake Middle School	0	0	0	0	0	0
Liberty High School	1	1	0	0	0	0
Skyline High School	0	0	0	0	0	0

***6. Prohibit the use of technology resources for commercial, political, illegal or indecent purposes or that disrupts the learning environment of students.***

**Interpretation:**

I interpret this to mean that all staff and students are provided with the appropriate Responsible Use Agreement which they read and sign. The Responsible Use Agreement describes appropriate and inappropriate use of the district network and district technology resources.

**Evidence of Compliance:**

All of the prohibitions listed in item six were included in the staff and student responsible use agreements, which are included in the [Regulations Manual, 2000 - Instruction](#) on the district website.

*Board Approval: April 28, 2022 (consent agenda)*