]	Iron Mountain Pu	blic Schools Standards (n	nodified METS) - K-8 Chec	klist	by	G	rad	le I	eve	ls	
O = To	eacher Observation	P = Portfolio Evidence	A = Formal Assessment	C =	Tec	hno	ology	y Lit	erac	y Cla	ass
Grades K	(through 2 - Technol	ogy Standards and Expectatio	ons – (by the end of Grade 2)								
1. Basic Ope	erations and Concepts.			K	1	2					
		standing of the nature and operation of t			_						
1.	Students understand that p cameras, audio/video play-	people use many types of technologies ers, phones, televisions).	in their daily lives (e.g., computers,								
2.		uses of technology found in daily life.									
		and label the major hardware compor	nents in a computer system (e.g., compute	,							
4.	Students identify the functi	ons of the major hardware components	s in a computer system.								
5.			us media types (e.g., diskettes, CDs, DVDs	,							
6.	Students proofread and ed developed checklist both in	it their writing using appropriate resour	ces including dictionaries and a class								
b. Students	are proficient in the use of to			K	1	2					
1.		appropriate technologies for gathering players, phones, web resources).	information (e.g., dictionaries,								
2.		ge-appropriate technologies for sharin	g information (e.g., drawing a picture,								
3.		ctions of basic file menu commands (e	e.g., new, open, close, save, print).								
2. Social, et	hical, and human issues.	ıral, and societal issues related to techn		K	1	2					
1.	Students identify common	uses of information and communication	n technologies.								
		es and disadvantages of using techno									
b. Students	practice responsible use of	technology systems, information, and se	oftware.	K	1	2					
1.	Students recognize that us	ing a password helps protect the priva-	cy of information.								
			able uses of age-appropriate technology								
	(e.g., computers, phones,	911, internet, email) at home or at scho	pol.								
			nology resources at home or at school.								
	develop positive attitudes to d productivity.	ward technology uses that support lifeld	ong learning, collaboration, personal	K	1	2					
		echnology is a tool to help them compl	ete a task.								
		echnology is a source of information, le									
3.	Students can identify place	es in the community where one can acc	cess technology.								

O = Teacher Observation P = Portfolio Evidence A = Formal Assessment C = Technology Literacy Class 3. Technology productivity tools. 3. Technology productivity tools. 4. Students was technology tools to enhance learning, increase productivity, and promote creativity. 1. Students know how to use a variety of productivity software (e.g., word processors, drawing tools, presentation software) to convey ideas and illustrate concepts. 2. Students will be able to recognize the best type of productivity software to use for a certain age-appropriate tasks (e.g., word-processing, drawing, web browsing). 3. Students use productivity tools to collaborate in constructing technology tools (e.g., word processors, drawing tools, presentation software) to convey ideas or illustrate simple concepts relating to a specified project. 4. Technology communications tools as students are aware of how to work with others when using technology tools (e.g., word processors, drawing tools, presentation software) to convey ideas or illustrate simple concepts relating to a specified project. 4. Technology communications tools as students well identify procedures for safely using basic telecommunication tools (e.g., e-mail, phones) with assistance from teachers, parents, or student partners. 5. Students use a variety of media and formats to communicate information and ideas effectively to multiple audiences. 1. Students know how to use age-appropriate media (e.g., presentation software, newsletters, word processors) to communicate ideas to classmates, families, and others. 2. Students will know how to select media formats (e.g., text, graphics, photos, video), with assistance from teachers, parents, or student partners, to communicate lease stocal and share ideas with classmates, families, and others. 5. Technology research tools a. Students will will be a variety of technology resources (e.g., CP-ROMs, DVDs, search engines, websites) to locate or collect. b. Students will interpret simple information from existing age-appropriate	Iron Mountai	n Public Schools Standa	rds (modified METS) – K –	2 nd (Che	eck	list			
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4. Students identify appropriate kinds of information that should be shared in public chat rooms.	3.			orts.							
5. Students identify safety precautions that should be taken while on-line.											
	5.	, ,, ,		•							

Iron Mounta	in Public Schools Standard	ls (modified METS) – 3 rd	to 5 th	Che	eckli	st			
O = Teacher Observation	P = Portfolio Evidence	A = Formal Assessment	C =	Techi	nology	Lit	terac	ey Clas	SS
Grades Three through Five	 Technology Standards and Ex 	pectations – (by the end of Grad	de 5)						
2c. Students develop positive attitud	es toward technology uses that support life				3	4	5		
pursuits, and productivity.									
1. Students explore variou	is technology resources that could assist	them in pursuing personal goals.							
	ology resources and describe how those r								
	productivity, or help them achieve person	nal goals.							
3. Technology productivity tools.					3	4	5		
	enhance learning, increase productivity, an								
	use menu options in applications to print, t								
	d use various grammar tools (e.g., dictiona		() (_		
	nsert various objects (e.g., photos, graphi	ics, sound, video) into word processing >	(X						
documents, presentatio							_		
	of technology tools and applications to pro						_		
	at existing (and future) technologies are the		•		_		_		
produce other creative works.	collaborate in constructing technology-enl	nanced models, prepare publications, and			3	4	5		
	th classmates using a variety of technolog	ny tools to plan, organize, and create a							
group project.	in classifiates using a variety of technolog	gy tools to plan, organize, and create a							
4. Technology communications tools					2	4	5	+	
a. Students use telecommunications	to collaborate, publish, and interact with p	eers, experts, and other audiences.			3	4	ם		
Students are exposed t	o basic telecommunication tools (e.g., e-n	nail. WebQuests. IM. blogs. chat rooms.							
	ollaborative projects with other students.	,,,,,							
	d formats to communicate information and	d ideas effectively to multiple audiences.			3	4	5		
Students use a variety of the state of	of media and formats to create and edit pr	roducts (e.g., presentations, newsletters,							
brochures, web pages)	to communicate information and ideas to	various audiences.							
Students identify how d	ifferent forms of media and formats may b	be used to share similar information,							
	ded audience (e.g., presentations for class	smates, newsletters for parents).							
5. Technology research tools					3	4	5		
	, evaluate, and collect information from a v								
	ch engines and built-in search functions of	of other various resources to locate							
information.									
	guidelines for determining the validity of	information accessed from various sour	ces						
	ry, on-line newspaper, CD-ROM).				_	_	_		
b. Students use technology tools to					3	4	5		
	ndependently use existing databases (e.g		5,						
	e, sort, and interpret information on an ass								
Students perform simpl	e queries on existing databases and repo	rt results on an assigned topic.							

	Iron Mountain	Public Schools Standard	ls (modified METS) – 3 rd t	o 5 th	Che	cklis	st			
$\mathbf{O} = \mathbf{T}$	eacher Observation	P = Portfolio Evidence	A = Formal Assessment	$\mathbf{C} = \mathbf{C}$	Гесhn	ology	Lit	tera	cy C	Class
Grades 1	Three through Five – 1	Technology Standards and Exp	pectations – (by the end of Grad	e 5)						
5c. Student specific tas		formation resources and technological i	nnovations based on the appropriateness	to		3	4	5		
1.	Students identify appropria and bias of the resource.	ate technology tools and resources by e	evaluating the accuracy, appropriateness	,						
2.	 Students compare and contrast the functions and capabilities of the word processor, database, and spreadsheet for gathering data, processing data, performing calculations, and reporting results. 									
	ogy problem-solving and deci	ision-making tools or solving problems and making informe	ed decisions.			3	4	5		
1.		esources to access information that cal matters (e.g., which movie to see, whic								
b. Students	employ technology in the de	evelopment of strategies for solving prol	blems in the real world.			3	4	5		
1.		and communication technology tools (e ollect, organize, and evaluate information	.g., calculators, probes, videos, DVDs, on to assist with solving real-life problems	3						

	Iron Mountain Public Schools Standards (modified METS) - 6 th to 8 th Checklist										
O = T o	eacher Observation	P = Portfolio Evidence	A = Formal Assessment					itera	cy (Clas	SS
		echnology Standards and Exp	ectations - (by the end of Grade	8)							
	erations and Concepts.								6	7	8
		standing of the nature and operation of t									
1.	use of technology.	new technology tools can be developed	to do what could not be done without the	•							
2		es for identifying, and preventing routin	e hardware and software problems that								
	may occur during everyday		e naraware and software problems that								ı l
3.			r time and discuss how these changes								
		g., individual users, education, governi									ı l
4.		hardware and software difficulties and	identify strategies for trouble-shooting ar	nd							
	problem solving.										ш
5.		istics that suggest that the computer sy	ystem hardware or software might need to	>							ı l
I Ot I at	be upgraded.								_		
	are proficient in the use of te								6	7	8
1.		parding posture, finger positions, and to	ouch-typing techniques to improve								ı l
		eral efficiency in operating a computer.									\vdash
	Students use accurate tech		urus grammar abadkar adlaulatar) ta								$\vdash \vdash$
3.		echnology tools (e.g., dictionary, thesausechnology-produced products.	urus, grammar-checker, calculator) to								
4			oppies, CDs, DVDs, flash drives, tapes) a	nd							\Box
		g a certain device for a specific purpos									i
5.			nsumer related activities (e.g., budgets,								i
		ctions, product descriptions).									
		opriate file formats for a variety of appli									
		lity programs or built-in application fund									
8.		it writing using appropriate resources (i
	. •	s, writing references) and grade level a	ppropriate checklists both individually an	d							i i
2 Capial of	in groups. hical, and human issues.										
		ıral, and societal issues related to techn	ology.						6	7	8
		otential risks and dangers associated v									
	· ·	ssues related to e-commerce.									
		e consequences and costs related to ur	nethical use of information and								\Box
0.	communication technologie		ionnoar ago or imormation and								i
4.		tal impact of technology in the future.									
		technology systems, information, and so	oftware.						6	7	8
		_	from outside sources in electronic report	S.							
2.	Students discuss issues re copyright, plagiarism, span		e of technology (e.g., privacy, security,								

	Iron Mountai	n Public Schools Standar	ds (modified METS) - 6 th to	8 th C	heck	list				
O = Te	eacher Observation	P = Portfolio Evidence	A = Formal Assessment	$\mathbf{C} = \mathbf{T}$	echnol	logy	Litera	acy (Cla	SS
	develop positive attitudes to productivity.	oward technology uses that support life	elong learning, collaboration, personal					6	7	8
		o identify and explore various occupati	ons or careers.							
			port personal pursuits and lifelong learning							
		echnology to support communication w		•						
3. Technolog	gy productivity tools.	ance learning, increase productivity, an						6	7	8
		oftware features (e.g., thesaurus, form	ulas, charts, graphics, sounds) to enhance)						
2.	Students use a variety of r	esources, including the internet, to incl	rease learning and productivity.							1
3.	Students explore basic approgramming, video-editing	plications that promote creativity (e.g.,	graphics, presentation, photo-editing,							
4.		ities for editing pictures, images, or cha	arts.							1
	use productivity tools to coler er creative works.	laborate in constructing technology-en	nanced models, prepare publications, and					6	7	8
		tools to design, develop, and enhance	e materials, publications, or presentations.							
	gy communications tools							6	7	8
		collaborate, publish, and interact with p	iscussion groups, IM, chat rooms, blogs,							
	video-conferences, web conferences, and other audience	onferences) or other online resources tees.	o collaborate interactively with peers,							
b. Students	use a variety of media and f	ormats to communicate information and	l ideas effectively to multiple audiences.					6	7	8
		e.g., presentation, web page, newslett raphs, charts, audio, graphics, video) t	er, information brochure) using a variety on present content information to an	f						
	gy research tools							6	7	8
		aluate, and collect information from a v								
		Veb search engines to locate informati								-
	comprehensiveness.	tion from various online resources for a								
			n names (e.g., edu, com, org, gov, au).							<u> </u>
c. Students specific task		rmation resources and technological in	novations based on the appropriateness to					6	7	8
			mine the most appropriate tool to use for							

Iron Mountain	Iron Mountain Public Schools Standards (modified METS) – 6 th to 8 th Checklist												
O = Teacher Observation	O = Teacher Observation P = Portfolio Evidence A = Formal Assessment												
	echnology problem-solving and decision-making tools students use technology resources for solving problems and making informed decisions.								7				
	 Students use database or spreadsheet information to make predictions, develop strategies, and evaluate decisions to assist them with solving a basic problem. 												
b. Students employ technology in the de	. Students employ technology in the development of strategies for solving problems in the real world.							6	7 8				
	rmation and communication technology their findings, and draw conclusions for	 tools to use for collecting information from addressing real-world problems. 	m										

Iron Moun	tain	Public Schools Standard	ls (modified METS) - 9 th to	12 th C	heck	klist		
O = Teacher Observatio		P = Portfolio Evidence					itera	cy Class
Grades Nine through Two	elve -	Technology Standards and E	xpectations – (by the end of Gra	de 12)				
1. Basic Operations and Co				9	10	11	12	
		standing of the nature and operation of						
		ing technology resources (e.g., pooning, graphing calculators, global po	dcasting, webcasting, compressed vide sitioning software).	90				
Students identify t	the cap	pabilities and limitations of emergin	g communication resources.					
8. Students understa	and the	importance of both the predictable	e and unpredictable impacts of					
technology.		·	·					
9. Students identify of	change	es in hardware and software syster	ns over time and discuss how these					
		m personally in their role as a lifeld						
		purpose, scope, and use of assist						
11. Students understa	and tha	t access to online learning increas	es educational and workplace					
opportunities.		_	·					
b. Students are proficient in the u	use of to	echnology.		9	10	11	12	
9. Students will be p	rovide	d with the opportunity to learn in a	virtual environment as a strategy to					
build 21 st century	learnir	g skills.	•					
10. Students understa connectivity.	and the	relationship between electronic re	esources, infrastructure, and					
	nely a	oply touch-typing techniques with a	advanced accuracy, speed, and					
			ns by using online help or other user					
			mats (e.g., jpeg, gif, bmp, mpeg, wav).					
		ow to import/export text, graphics,						
			on's spelling and grammar checking					
functions.		0 11	, , ,					
2. Social, ethical, and huma	n issu	es		9	10	11	12	
		ral, and societal issues related to techr						
	egal a	nd ethical issues related to use of i	information and communication					
technology.								
			nication technology and assess the					
		chnologies for ethical and unethical			1			
		le long-range effects of unethical u	ses of technology (e.g., virus					
		nacking) on cultures and society.						
		ssible consequences and costs of	unethical uses of information and					
computer technological	ogy.							

Iron Mountain Public Schools Standards (modified METS) - 9 th to 12 th Checklist									
O = Teacher Observation	P = Portfolio Evidence	A = Formal Assessment	$\mathbf{C} = \mathbf{T}$	echno	logy l	Litera	acy Class		
2. Social, ethical, and human issue			9	10	11	12			
b. Students practice responsible use of to	echnology systems, information, and s	bralagy systems from unothical or							
unscrupulous users.	iai individuais can protect their tec	chnology systems from unethical or							
	e ethical use of technology as a d	igital citizen and lifelong learner							
	erences between freeware, sharev								
6. Students adhere to fair u		vare, and commercial software.							
	ate citations for resources when p	resenting research findings							
	8. Students adhere to the district acceptable use policy as well as state and federal laws.								
	Students develop positive attitudes toward technology uses that support lifelong learning, collaboration, personal								
pursuits, and productivity.	suits, and productivity.								
4. Students explore career	opportunities and identify their rela	ated technology skill requirements.							
Students design and imp	lement a personal learning plan th	nat includes technology to support							
his/her lifelong learning g	joals.								
3. Technology productivity tools			9	10	11	12			
a. Students use technology tools to enha									
		course or online learning experience.							
	tools for managing and communi	· · · · · · · · · · · · · · · · · · ·							
	ation, schedules, purchases, corre								
	and utilize assistive technology to								
		plication's built-in thesaurus, templates							
	e appearance of word processing	documents, spreadsheets, and							
presentations.									
9. Students use an online to learning.	utorial and discuss the benefits an	d disadvantages of this method of							
Students develop a docu	ment or file for inclusion into a we	b site or web page.							
1	• •	edit a multimedia product (e.g., model,					<u> </u>		
	ublication, or other creative work).								
12. Students have the opport									
related careers.									
 Students use productivity tools to colle produce other creative works. 	aborate in constructing technology-en	hanced models, prepare publications, and	9	10	11	12			
	ogy tools (e.g., authoring tools or	other hardware and software resources)						
that could be used to cre	· · · · · · · · · · · · · · · · · · ·		'						

Iron Mountain Public Schools Standards (modified METS) - 9 th to 12 th Checklist										
O = Teacher Observation	P = Portfolio Evidence	A = Formal Assessment					acy Class			
4. Technology communications to			9	10	11	12				
	collaborate, publish, and interact with pe									
		or online technologies (e.g., desktop								
conferencing, listservs,		naine a mail encompany instant								
	technologies (e.g., desktop confere icate with others on a class assignm									
		te a variety of media (e.g., print, audio),							
		word processing, publishing, databas								
	graphics design, or spreadsheet applications.									
	ement a collaborative project using t	elecommunications tools (e.g.,								
groupware, interactive v	groupware, interactive web sites, videoconferencing).									
b. Students use a variety of media and f	udents use a variety of media and formats to communicate information and ideas effectively to multiple audiences.									
Students use a variety of	of media and formats to design, deve	elop, publish, and present products								
(e.g., presentations, nev	wsletters, web sites) to communicate	e original ideas to multiple audiences.								
5. Technology research tools			9	10	11	12				
	Students use technology to locate, evaluate, and collect information from a variety of sources.									
		t search engines to locate information								
		l, reliable, relevant, and comprehensiv	e.							
Students distinguish bet	tween fact, opinion, point of view, ar	nd inference.								
Students evaluate resou	urces for stereotyping, prejudice, and	d misrepresentation.								
b. Students use technology tools to pro	cess data and report results.		9	10	11	12				
 Students formulate and 	use evaluation criteria (authority, ac	ccuracy, relevancy, timeliness) for								
	he internet to present research findi									
 Students evaluate and select new info specific tasks. 	ormation resources and technological in	novations based on the appropriateness to	9	10	11	12				
	to gather information using various	s research strategies (e.g., interviews,								
questionnaires, experim										
6. Technology problem-solving a			9	10	11	12				
a. Students use technology resources for	or solving problems and making informe									
		ational software, simulations, models)								
for problem solving and										
•	3. Students describe the possible integration of two or more information and communication									
	technology tools or resources to collaborate with peers, community members, and field experts.									
b. Students employ technology in the de	b. Students employ technology in the development of strategies for solving problems in the real world.									
	search question or hypothesis, then									
	ogy resources to collect relevant info	ormation, analyze the findings, and								
report the results to mul	tiple audiences.									