

	A	B	C	D	E	F	G	H
1	Date Started	The Computer Science Standards are well-organized and easy to read.	Please provide actionable feedback about the organization of the Arizona Computer Science Standards.	The Arizona Computer Science Stanards contain sufficient breadth of content.	Please provide actionable feedback about the breadth of content of the Arizona Computer Science Standards.	The Arizona Computer Science Standards have sufficient depth of content and rigor.	Please comment or provide actionable feedback about the depth of content and rigor of the Arizona Computer Science Standards.	I support the State Board of Education adopting this DRAFT of the Arizona Computer Science Standards.
2	6/26/2018	Disagree	Comments = It's confusing to tell what parts are the standards and what parts are the curriculum to teach. Just include standards and delete the curriculum	Disagree	Comments = They contain too much. Narrow them down, especially in elementary school, to the most critical and transferable skills	Agree	[No Answer Entered]	(draft needs extensive revisions)
3	6/28/2018	Agree	[No Answer Entered]	Agree	[No Answer Entered]	Agree	[No Answer Entered]	Agree (draft needs moderate revisions)
4	6/29/2018	Agree	[No Answer Entered]	Agree	[No Answer Entered]	Agree	[No Answer Entered]	(draft needs extensive revisions)
5	7/6/2018	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]
6	7/7/2018	Strongly Agree	[No Answer Entered]	Strongly Agree	Comments = As each year progresses, the depth of subject matter	Strongly Agree	[No Answer Entered]	Strongly Agree -(draft needs very few revisions)
7	7/9/2018	Agree	[No Answer Entered]	Agree	[No Answer Entered]	Agree	[No Answer Entered]	Agree (draft needs moderate revisions)
8	7/10/2018	Agree	[No Answer Entered]	Disagree	Comments = too broad, too much!	Disagree	Comments = more than needed	Strongly Disagree

	A	B	C	D	E	F	G	H
1	<b>Date Started</b>	<b>The Computer Science Standards are well-organized and easy to read.</b>	<b>Please provide actionable feedback about the organization of the Arizona Computer Science Standards.</b>	<b>The Arizona Computer Science Stanards contain sufficient breadth of content.</b>	<b>Please provide actionable feedback about the breadth of content of the Arizona Computer Science Standards.</b>	<b>The Arizona Computer Science Standards have sufficient depth of content and rigor.</b>	<b>Please comment or provide actionable feedback about the depth of content and rigor of the Arizona Computer Science Standards.</b>	<b>I support the State Board of Education adopting this DRAFT of the Arizona Computer Science Standards.</b>
9	7/13/2018	Strongly Agree	[No Answer Entered]	Strongly Agree	[No Answer Entered]	Strongly Agree	[No Answer Entered]	Agree (draft needs moderate revisions)
10	7/14/2018	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]
11	7/19/2018	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]
12	7/22/2018	Agree	Comments = Continue with the breakdown of the areas, expand on them as much as possible.	Agree	Comments = none at this time.	Agree	Comments = none at this time	Agree (draft needs moderate revisions)
13	8/1/2018	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]
14	8/5/2018	Agree	[No Answer Entered]	Agree	[No Answer Entered]	Strongly Agree	[No Answer Entered]	Agree (draft needs moderate revisions)
15	8/5/2018	Agree	[No Answer Entered]	Agree	[No Answer Entered]	Agree	[No Answer Entered]	Agree (draft needs moderate revisions)
16	8/5/2018	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]
17	8/6/2018	Strongly Agree	[No Answer Entered]	Strongly Agree	[No Answer Entered]	Agree	[No Answer Entered]	Strongly Agree -(draft needs very few revisions)
18	8/7/2018	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]
19	8/7/2018	Strongly Agree	Comments = It would be helpful to make the standards available in an electronic form that would allow following a standard from Kindergarten through HS	Strongly Agree	Comments = Italicized descriptions do a great job of showing the breadth	Strongly Agree	[No Answer Entered]	Strongly Agree -(draft needs very few revisions)

	A	B	C	D	E	F	G	H
1	<b>Date Started</b>	<b>The Computer Science Standards are well-organized and easy to read.</b>	<b>Please provide actionable feedback about the organization of the Arizona Computer Science Standards.</b>	<b>The Arizona Computer Science Stanards contain sufficient breadth of content.</b>	<b>Please provide actionable feedback about the breadth of content of the Arizona Computer Science Standards.</b>	<b>The Arizona Computer Science Standards have sufficient depth of content and rigor.</b>	<b>Please comment or provide actionable feedback about the depth of content and rigor of the Arizona Computer Science Standards.</b>	<b>I support the State Board of Education adopting this DRAFT of the Arizona Computer Science Standards.</b>
20	8/7/2018	Agree	Comments = While there are explanations for why the standards are important, I would imagine other classroom teachers would appreciate examples of what it looks like in class.	Strongly Agree	[No Answer Entered]	Strongly Disagree	Comments = The standards for younger grades are too easy to complete in a matter of moments without actually creating anything. See my comments for some suggestions, but feel free to contact me if you have questions. Also, the brevity is due to character limitations and not trying to be curt.	(draft needs extensive revisions)
21	8/9/2018	Strongly Agree	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	Strongly Agree -(draft needs very few revisions)

	I	J	K	L	M	N	O
1	The Introduction section provides enough information and context for me to understand how the standards are designed and intended to be implemented.	Please comment on the Introduction section.	The Kindergarten Computer Science Standards are appropriate for this grade level.	What would you like the working group to consider as they revise the Kindergarten Computer Science Standards?	The First Grade Computer Science Standards are appropriate for this grade level.	What would you like the working group to consider as they revise the First Grade Computer Science Standards?	The Second Grade Computer Science Standards are appropriate for this grade level.
2	[No Answer Entered]	[No Answer Entered]	Strongly Disagree	Comments = why are there twice as many computer science standards as there were science or social studies standards? These are important but not MORE important than other core areas.	Strongly Disagree	Comments = why are there twice as many computer science standards as there were science or social studies standards? These are important but not MORE important than other core areas	Strongly Disagree
3	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]
4	Agree	[No Answer Entered]	Agree	[No Answer Entered]	Agree	[No Answer Entered]	Agree
5	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]
6	Strongly Agree	[No Answer Entered]	Strongly Agree	[No Answer Entered]	Strongly Agree	[No Answer Entered]	Strongly Agree
7	Agree	[No Answer Entered]	Agree	Comments = How are we going to prepare, train, and recruit teachers qualified to administer this content?	Agree	Comments = How are we going to prepare, train, and recruit teachers qualified to administer this content?	Agree
8	Agree	[No Answer Entered]	Strongly Disagree	Comments = We have very limited access & time. Current tech standards integrate well, we don't need these in-depth KG standards . Students need to learn to type and enjoy using systems as they pertain to state testing processes to remove stress and errors that come from lack of tech use.	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]

	I	J	K	L	M	N	O
1	The Introduction section provides enough information and context for me to understand how the standards are designed and intended to be implemented.	Please comment on the Introduction section.	The Kindergarten Computer Science Standards are appropriate for this grade level.	What would you like the working group to consider as they revise the Kindergarten Computer Science Standards?	The First Grade Computer Science Standards are appropriate for this grade level.	What would you like the working group to consider as they revise the First Grade Computer Science Standards?	The Second Grade Computer Science Standards are appropriate for this grade level.
9	Strongly Agree	[No Answer Entered]	Agree	Comments = K.IC.SI.1 - as kindergarten students are just learning to read and write, I believe that many of the examples given are too advanced for many kindergarten students, such as blogging and providing others with feedback of their work	Strongly Agree	[No Answer Entered]	[No Answer Entered]
10	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]
11	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]
12	Agree	Comments = Good	Agree	Comments = nothing at this time	Agree	Comments = none at this time	Agree
13	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]
14	[No Answer Entered]	[No Answer Entered]	Disagree	[No Answer Entered]	Disagree	[No Answer Entered]	Agree
15	Agree	[No Answer Entered]	Agree	[No Answer Entered]	Agree	[No Answer Entered]	Agree
16	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]
17	Strongly Agree	[No Answer Entered]	Agree	[No Answer Entered]	Agree	[No Answer Entered]	Agree
18	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]
19	Strongly Agree	Comments = I was already familiar with K-12 CS Framework, so it makes perfect sense. I am interested in what others think.	Strongly Agree	Comments = With so much teacher assistance, will it be difficult to create measurable learning objectives from these standards? Also, in the first sentence of the Introduction, shouldn't it read ... and WILL communicate...:	Strongly Agree	[No Answer Entered]	Strongly Agree

	I	J	K	L	M	N	O
1	The Introduction section provides enough information and context for me to understand how the standards are designed and intended to be implemented.	Please comment on the Introduction section.	The Kindergarten Computer Science Standards are appropriate for this grade level.	What would you like the working group to consider as they revise the Kindergarten Computer Science Standards?	The First Grade Computer Science Standards are appropriate for this grade level.	What would you like the working group to consider as they revise the First Grade Computer Science Standards?	The Second Grade Computer Science Standards are appropriate for this grade level.
20	Agree	Comments = I appreciate the vision statement's focus on informed citizens and application of CS. Far too often the focus is on careers in CS rather than leisurely applications or discussions on informed citizens. There needs to be statements indicating the practices/concepts are from the K12 CS framework.	Agree	Comments = Kids can do more than discuss, explain, recognize, identify, etc. I'd recommend looking at the verb usage and think through what this actually looks like. Many of the standards are low level thinking without any application. Also, using accurately terminology should be implied throughout.	Agree	Comments = Again, kids should be creating and doing, not explaining. I'd recommend finding actionable things kids can do in a class and using them as examples rather than only describing why the standard is important.	Agree
21	Strongly Agree	Comments = /var/folders/gp/901_09g13q7cp14rq5412_740000gp/T/com.apple.mail/com.apple.mail.drag-T0x60000006c480.tmp.sD22We/Final Apple Comments for AZ CS Standards-8:9:18	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]

	P	Q	R	S	T	U	V	W
1	What would you like the working group to consider as they revise the Second Grade Computer Science Standards?	The Third Grade Computer Science Standards are appropriate for this grade level.	What would you like the working group to consider as they revise the Third Grade Computer Science Standards?	The Fourth Grade Computer Science Standards are appropriate for this grade level.	What would you like the working group to consider as they revise the Fourth Grade Computer Science Standards?	The Fifth Grade Computer Science Standards are appropriate for this grade level.	What would you like the working group to consider as they revise the Fifth Grade Computer Science Standards?	The Sixth Grade Computer Science Standards are appropriate for this grade level.
2	Comments = why are there twice as many computer science standards as there were science or social studies standards? These are important but not MORE important than other core areas	Strongly Disagree	Comments = why are there twice as many computer science standards as there were science or social studies standards? These are important but not MORE important than other core areas	Strongly Disagree	Comments = why are there twice as many computer science standards as there were science or social studies standards? These are important but not MORE important than other core areas	Strongly Disagree	Comments = why are there twice as many computer science standards as there were science or social studies standards? These are important but not MORE important than other core areas	Strongly Disagree
3	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]
4	[No Answer Entered]	Agree	[No Answer Entered]	Agree	[No Answer Entered]	Agree	[No Answer Entered]	[No Answer Entered]
5	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]
6	[No Answer Entered]	Strongly Agree	[No Answer Entered]	Strongly Agree	[No Answer Entered]	Strongly Agree	[No Answer Entered]	Strongly Agree
7	Comments = How are we going to prepare, train, and recruit teachers qualified to administer this content?	Agree	Comments = How are we going to prepare, train, and recruit teachers qualified to administer this content?	Agree	Comments = How are we going to prepare, train, and recruit teachers qualified to administer this content?	Agree	Comments = How are we going to prepare, train, and recruit teachers qualified to administer this content?	Agree
8	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]

	P	Q	R	S	T	U	V	W
1	What would you like the working group to consider as they revise the Second Grade Computer Science Standards?	The Third Grade Computer Science Standards are appropriate for this grade level.	What would you like the working group to consider as they revise the Third Grade Computer Science Standards?	The Fourth Grade Computer Science Standards are appropriate for this grade level.	What would you like the working group to consider as they revise the Fourth Grade Computer Science Standards?	The Fifth Grade Computer Science Standards are appropriate for this grade level.	What would you like the working group to consider as they revise the Fifth Grade Computer Science Standards?	The Sixth Grade Computer Science Standards are appropriate for this grade level.
9	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	Agree	Comments = 4.DA.S.1 - seems very challenging as different operating systems may use different file types	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]
10	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]
11	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]
12	Comments = none at this time	Agree	Comments = none at this time	Agree	Comments = none at this time	Agree	Comments = none at this time	Agree
13	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]
14	[No Answer Entered]	Agree	[No Answer Entered]	Agree	[No Answer Entered]	Agree	[No Answer Entered]	Strongly Agree
15	[No Answer Entered]	Agree	[No Answer Entered]	Agree	[No Answer Entered]	Agree	[No Answer Entered]	Agree
16	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]
17	[No Answer Entered]	Agree	[No Answer Entered]	Agree	[No Answer Entered]	Agree	[No Answer Entered]	Agree
18	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]
19	[No Answer Entered]	Strongly Agree	[No Answer Entered]	Strongly Agree	Comments = Remove the ; in the second sentence of the introductory paragraph	Strongly Agree	Comments = Should is be are in the last sentence of the Intro? and 5.AP.A.1 description needs to be italicized	Strongly Agree



	P	Q	R	S	T	U	V	W
1	What would you like the working group to consider as they revise the Second Grade Computer Science Standards?	The Third Grade Computer Science Standards are appropriate for this grade level.	What would you like the working group to consider as they revise the Third Grade Computer Science Standards?	The Fourth Grade Computer Science Standards are appropriate for this grade level.	What would you like the working group to consider as they revise the Fourth Grade Computer Science Standards?	The Fifth Grade Computer Science Standards are appropriate for this grade level.	What would you like the working group to consider as they revise the Fifth Grade Computer Science Standards?	The Sixth Grade Computer Science Standards are appropriate for this grade level.
20	Comments = At this point kids are being asked to actually create something with code; however, I would encourage making that a standard in the previous grades. I appreciate the progression, but the standards in K/1 don't encourage creative expressions.	Agree	Comments = The present data visually throughout the standards is too narrow. For example, using Sonic Pi (Ruby), we can present data sonically (sonification) with only five lines of code: initialize an array, begin loop, play element in array as a note, wait, end loop. Simply removing visually fixes this.	Agree	Comments = Kids at this age can do more than recognizing file extensions. Why not reframe it so kids justify file extensions used in a program? For example, using different media files changes the quality of the product, but also makes it easier/harder to store the file when memory is an issue.	Agree	Comments = I think kids can independently troubleshoot simple hardware and software problems before fifth grade. I'm also not sure if many platforms for this age group allow the opportunity to determine variable type (e.g., constant, variable, double, int, etc.), as many use generic identifiers like var.	Agree
21	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]

	X	Y	Z	AA	AB	AC	AD
1	What would you like the working group to consider as they revise the Sixth Grade Computer Science Standards.	The Seventh Grade Computer Science Standards are appropriate for this grade level.	What would you like the working group to consider as they revise the Seventh Grade Computer Science Standards?	The Eighth Grade Computer Science Standards are appropriate for this grade level and complement the other Grades 6-8 Computer Science Standards.	What would you like the working group to consider as they revise the Eighth Grade Computer Science Standards?	The High School Computer Science Standards are appropriate for this grade level(s). The High School Essential standards are designed for all high school students, and are intended to be incorporated into a Computer Science Course(s).	'What would you like the working group to consider as they revise the High School Computer Science Standards?'
2	Comments = why are there twice as many computer science standards as there were science or social studies standards? These are important but not MORE important than other core areas	Strongly Disagree	Comments = why are there twice as many computer science standards as there were science or social studies standards? These are important but not MORE important than other core areas	Strongly Disagree	Comments = why are there twice as many computer science standards as there were science or social studies standards? These are important but not MORE important than other core areas	Agree	Comments = These are appropriate for a high school course in Computer Science
3	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]
4	[No Answer Entered]	Disagree	Comments = I think this age group should be learning and taking tests on paper but if you are going to insist then have them do it on tablets. Computers are going to be obsolete.	Disagree	Comments = I think this age group should be learning and taking tests on paper but if you are going to insist then have them do it on tablets. Computers are going to be obsolete.	Disagree	Comments = I think this age group should be learning and taking tests on paper but if you are going to insist then have them do it on tablets. Computers are going to be obsolete.
5	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]
6	[No Answer Entered]	Strongly Agree	[No Answer Entered]	Strongly Agree	[No Answer Entered]	Strongly Agree	[No Answer Entered]
7	Comments = How are we going to prepare, train, and recruit teachers qualified to administer this content?	Agree	Comments = How are we going to prepare, train, and recruit teachers qualified to administer this content?	Agree	Comments = How are we going to prepare, train, and recruit teachers qualified to administer this content?	Agree	Comments = How are we going to prepare, train, and recruit teachers qualified to administer this content?
8	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]

	X	Y	Z	AA	AB	AC	AD
1	What would you like the working group to consider as they revise the Sixth Grade Computer Science Standards.	The Seventh Grade Computer Science Standards are appropriate for this grade level.	What would you like the working group to consider as they revise the Seventh Grade Computer Science Standards?	The Eighth Grade Computer Science Standards are appropriate for this grade level and complement the other Grades 6-8 Computer Science Standards.	What would you like the working group to consider as they revise the Eighth Grade Computer Science Standards?	The High School Computer Science Standards are appropriate for this grade level(s). The High School Essential standards are designed for all high school students, and are intended to be incorporated into a Computer Science Course(s).	'What would you like the working group to consider as they revise the High School Computer Science Standards?'
9	[No Answer Entered]	Strongly Agree	Comments = For 7.DA.S.1 will students need to know how to do this manually or can they search for the information conversions online?	Strongly Agree	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]
10	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]
11	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]
12	Comments = none at this time	Agree	Comments = none at this time	Agree	Comments = none at this time	Agree	Comments = none at this time
13	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]
14	[No Answer Entered]	Agree	[No Answer Entered]	Agree	[No Answer Entered]	Disagree	[No Answer Entered]
15	[No Answer Entered]	Agree	[No Answer Entered]	Agree	[No Answer Entered]	Agree	[No Answer Entered]
16	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]
17	[No Answer Entered]	Agree	[No Answer Entered]	Agree	[No Answer Entered]	Strongly Agree	[No Answer Entered]
18	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]
19	Comments = Successful students can implement programming skills using parameters to meet a project's goal and timeline. is confusing-- could be better stated? Last page needs italics for descriptions, and Explanation: precedes the descriptions on page 57	Strongly Agree	Comments = Successful students can implement programming skills using parameters to meet a project's goal and timeline. is repeated here and still seems awkward	Strongly Agree	Comments = Intro: By the end of eighth <--h missing, also programming challenges - not sure what that means, implementing programming skills using parameters to meet a project's goal and timeline. ???; missing italics and an extra Explanation:	Strongly Agree	Comments = Awesome!

	X	Y	Z	AA	AB	AC	AD
1	What would you like the working group to consider as they revise the Sixth Grade Computer Science Standards.	The Seventh Grade Computer Science Standards are appropriate for this grade level.	What would you like the working group to consider as they revise the Seventh Grade Computer Science Standards?	The Eighth Grade Computer Science Standards are appropriate for this grade level and complement the other Grades 6-8 Computer Science Standards.	What would you like the working group to consider as they revise the Eighth Grade Computer Science Standards?	The High School Computer Science Standards are appropriate for this grade level(s). The High School Essential standards are designed for all high school students, and are intended to be incorporated into a Computer Science Course(s).	'What would you like the working group to consider as they revise the High School Computer Science Standards?'
20	Comments = I still think at this point they should be doing more than identifying things related to CS.	Agree	Comments = Same as previous comments: more actionable standards.	Agree	Comments = Same as previous comments: more actionable standards.	Disagree	Comments = In high school, it might be appropriate to break them out into general CS standards and specialized CS standards (i.e., for advanced courses).
21	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]	[No Answer Entered]

	A	B	C	D
1	Comment #	Actionable Y/N	Suggested Changes	Agree/Disagree (NOTE: no comment will interpret as agreement) Committee Rationale/Notes
2	2.J	N		
3	12.J	N		
4	19.J	Y	Consider creating a table that lists standards content broken down by grade band, or lists all by single grade from K-12	Provide a version of the standards that is organized by content, with each grade level standard included. (Descriptions & examples may not be necessary in this section of the document.)
5	20.J	Y	Consider ensuring that each standard list an example	Check for and ensure examples are added for each standard.
6	2.L	N		
7	6.L	N		
8	8.L	N		
9	12.L	N		
10	19.L	N		
11	8.N	N		
12	12.N	N		
13	20.N	N		
14	12.Q	N		
15	19.Q	N		
16	20.Q	N	There are already listings/credits given	Credits and sources are listed at the end of the document.
17	2.S	N		
18	7.S	N		
19	8.S	N		
20	9.S	Y	Consider explaining how this is appropriate for K age students	Students might post videos and pictures online more than written text, but wlll need to understand the concepts of respecting others and protecting their own privacy. Perhaps just remove the example of "blog" and keep the "collaborative online spaces".
21	12.S	N		
22	19.S	N		

	A	B	C	D
1	Comment #	Actionable Y/N	Suggested Changes	Agree/Disagree (NOTE: no comment will interpret as agreement) Committee Rationale/Notes
23	20.S	N	Verb usage is appropriate for this age group. It is intended for a broad audience and must fit most applications throughout AZ	Accurate use of terminology should begin at the early grades. An example is "decompose" versus merely saying "break down".
24	2.U	N		
25	7.U	N		
26	12.U	N		
27	20.U	N	Many students at this level cannot form cognizant answers in writing, or may not have the fine motor control necessary to actually explain a concept; verbal explanation is appropriate	Some of the standards for first grade do have students model and display, while the phrasing of others allow for class / group discussion and reflection.
28	2.W	N		
29	7.W	N		
30	12.W	N		
31	20.W	N	At this age, most students can understand the abstract nature of code	Some students may progress beyond grade level. The standards give a minimum threshold.
32	2.Y	N		
33	7.Y	N		
34	12.Y	N		
35	20.Y	N	Sonification refers to music study/expression through code. These standards do not dictate the manner in which classroom teachers implement them.	The visual product of coding supports young learners. Additional applications of code (such as sound composition) could be an extension teachers / students explore.
36	2.AA	N		
37	7.AA	N		
38	9.AA	N	Students will be introduced to the concept that different OS's use different file types	There are sufficient opportunities to address the standard.
39	19.AA	Y	Consider removing sentence.	Revise sentence (4th grade intro).

	A	B	C	D
1	Comment #	Actionable Y/N	Suggested Changes	Agree/Disagree (NOTE: no comment will interpret as agreement) Committee Rationale/Notes
40	20.AA	N	These standards do not dictate the manner in which classroom teachers implement them.	Storage of files is also addressed by this standard; not just file extensions. How this is done can vary in implementation.
41	2.AC	N		
42	7.AC	N		
43	12.AC	N		
44	19.AC	Y	Make referenced non-content changes	Revise wording (change "is" to "are" in the last sentence of the Intro for 5th grade). Ensure descriptions are all italicized.
45	20.AC	N		
46	2.AE	N		
47	7.AE	N		
48	12.AE	N		
49	19.AE	Y	Consider rewording descriptor. Change Italics to mirror the rest of the document	Reword intro statement ("Successful students...") in 6th, 7th, & 8th. Adjust formatting to match rest of document.
50	20.AE	N	These standards do not dictate the manner in which classroom teachers implement them.	Some students may progress beyond grade level. The standards give a minimum threshold.
51	2.AG	N		
52	4.AG	N	These standards do not dictate the manner in which classroom teachers implement them.	Device access and use may vary by site and implementation.
53	7.AG	N		
54	9.AG	N	These standards do not dictate the manner in which classroom teachers implement them.	These standards do not dictate the manner in which classroom teachers implement them.
55	12.AG	N		
56	19.AG		Consider rewording descriptor	Reword intro statement ("Successful students...") in 6th, 7th, & 8th. Adjust formatting to match rest of document.

	A	B	C	D
1	Comment #	Actionable Y/N	Suggested Changes	Agree/Disagree (NOTE: no comment will interpret as agreement) Committee Rationale/Notes
57	20.AG	N	These standards do not dictate the manner in which classroom teachers implement them.	Some students may progress beyond grade level. The standards give a minimum threshold.
58	2.AI	N		
59	4.AI	N	These standards do not dictate the manner in which classroom teachers implement them.	Device access and use may vary by site and implementation.
60	7.AI	N		
61	12.AI	N		
62	19.AI	Y	Review referenced content for possible adoption	Reword intro statement ("Successful students....") in 6th, 7th, & 8th. Adjust formatting to match rest of document.
63	20.AI	N	These standards do not dictate the manner in which classroom teachers implement them.	Some students may progress beyond grade level. The standards give a minimum threshold.
64	2.AK	N		
65	4.AK	N		
66	7.AK	N		
67	12.AK	N		
68	19.AK	N		
69	20.AK	Y	HS will have both a standard and an advanced pathway for CS	The standards included would be appropriate for all students through a computer science principles type of course and further learning could be pursued through AP & CTE offerings at the HS level.