Subject	Grade	Body Of Knowledge/ Strand	Idea/Standard	AccessPoint#	Description	Fundamentals of CS Level 1 or 2	Pg. No.	Hyperlink
		Strand SC.912.CC: Communication and Collaboration	Standard 1: Formulate artifacts using collaboration.	SC.912.CC.1.1:	Evaluate digital modes of communication and collaboration.	1	144-145	https://wgdesigngroup.com/Pearson/fund_comp_sci/144
					Evaluate digital modes of communication and collaboration.	1	82-83	https://wgdesigngroup.com/Pearson/fund_comp_sci/82
					Evaluate digital modes of communication and collaboration.	1	330	https://wgdesigngroup.com/Pearson/fund_comp_sci/330
				SC.912.CC.1.2:	Utilize tools within a project environment to communicate.	1	42-45	https://wgdesigngroup.com/Pearson/fund_comp_sci/42
					Utilize tools within a project environment to communicate.	1	82-83	https://wgdesigngroup.com/Pearson/fund_comp_sci/82
					Utilize tools within a project environment to communicate.	1	716-717	https://wgdesigngroup.com/Pearson/fund_comp_sci/716
					Utilize tools within a project environment to communicate.	1	1150-1151	https://wgdesigngroup.com/Pearson/fund_comp_sci/1150
				SC.912.CC.1.3:	Present information and data using presentation software.	1	108-109	https://wgdesigngroup.com/Pearson/fund_comp_sci/108
					Present information and data using presentation software.	1	144-145	https://wgdesigngroup.com/Pearson/fund_comp_sci/144
					Present information and data using presentation software.	1	386-387	https://wgdesigngroup.com/Pearson/fund_comp_sci/286
					Present information and data using presentation software.	1	180-181	https://wgdesigngroup.com/Pearson/fund_comp_sci/180
				SC.912.CC.1.4:	Create a digital artifact utilizing collaboration, reflection, analysis and iteration.	1	424-427	https://wgdesigngroup.com/Pearson/fund_comp_sci/424
					Create a digital artifact utilizing collaboration, reflection, analysis and iteration.	1	848-849	https://wgdesigngroup.com/Pearson/fund_comp_sci/848
					Create a digital artifact utilizing collaboration, reflection, analysis and iteration.	1	1510-1515	https://wgdesigngroup.com/Pearson/fund_comp_sci/1510
			Standard 2: Defend the use of collaboration to create artifacts	SC.912.CC.2.1:	Collaborate to publish information and data for a variety of audiences using digital tools and media-rich resources.	1	362-363	https://wgdesigngroup.com/Pearson/fund_comp_sci/362
					Collaborate to publish information and data for a variety of audiences using digital tools and media-rich resources.	1	384-385	https://wgdesigngroup.com/Pearson/fund_comp_sci/384
					Collaborate to publish information and data for a variety of audiences using digital tools and media-rich resources.	1	414-415	https://wgdesigngroup.com/Pearson/fund_comp_sci/414
				SC.912.CC.2.2:	Assess how collaboration influences the design and development of software artifacts.	1	28-29	https://wgdesigngroup.com/Pearson/fund_comp_sci/28
					Assess how collaboration influences the design and development of software artifacts.	1	182-183	https://wgdesigngroup.com/Pearson/fund_comp_sci/182
					Assess how collaboration influences the design and development of software artifacts.	1	288-289	https://wgdesigngroup.com/Pearson/fund_comp_sci/288
					Assess how collaboration influences the design and development of software artifacts.	1	848-849	https://wgdesigngroup.com/Pearson/fund_comp_sci/848
				SC.912.CC.2.3:	Evaluate program designs and implementations for readability and usability.	1	96-97	https://wgdesigngroup.com/Pearson/fund_comp_sci/96
					Evaluate program designs and implementations for readability and usability.	1	120-121	https://wgdesigngroup.com/Pearson/fund_comp_sci/120
					Evaluate program designs and implementations for readability and usability.	1	158-159	https://wgdesigngroup.com/Pearson/fund_comp_sci/158
				SC.912.CC.2.4:	Critique the strengths and weaknesses of the collaborative process when creating digital products.	1	294-297	https://wgdesigngroup.com/Pearson/fund_comp_sci/294
					Critique the strengths and weaknesses of the collaborative process when creating digital products.	1	326-327	https://wgdesigngroup.com/Pearson/fund_comp_sci/326
					Critique the strengths and weaknesses of the collaborative process when creating digital products.	1	1196-1197	https://wgdesigngroup.com/Pearson/fund_comp_sci/1196
				SC.912.CO.1.1:	Describe the efficiency and effectiveness of digital tools or resources used for real-world tasks.	1	98-99	https://wgdesigngroup.com/Pearson/fund_comp_sci/98

					Describe the efficiency and effectiveness of digital tools or resources used for real-world tasks.	1	734-735	https://wgdesigngroup.com/Pearson/fund_comp_sci/734
					Describe the efficiency and effectiveness of digital tools or resources used for real-world tasks.	1	1528-1529	https://wgdesigngroup.com/Pearson/fund_comp_sci/1528
				SC.912.CO.1.2:	Identify and select the file format based on trade-offs.	1	40-41	https://wgdesigngroup.com/Pearson/fund_comp_sci/40
					Identify and select the file format based on trade-offs.	1	368-369	https://wgdesigngroup.com/Pearson/fund_comp_sci/368
					Identify and select the file format based on trade-offs.	1	374-375	https://wgdesigngroup.com/Pearson/fund_comp_sci/374
					Identify and select the file format based on trade-offs.	1	404-405	https://wgdesigngroup.com/Pearson/fund_comp_sci/404
				SC.912.CO.1.3:	Select and use the correct file type for specific tasks.	1	368-369	https://wgdesigngroup.com/Pearson/fund_comp_sci/368
					Select and use the correct file type for specific tasks.	1	374-375	https://wgdesigngroup.com/Pearson/fund_comp_sci/374
					Select and use the correct file type for specific tasks.	1	404-405	https://wgdesigngroup.com/Pearson/fund_comp_sci/404
				SC.912.CO.1.4:	Describe the relationship between drivers, hardware and operating systems.	1	10-13	https://wgdesigngroup.com/Pearson/fund_comp_sci/10
					Describe the relationship between drivers, hardware and operating systems.	1	104-109	https://wgdesigngroup.com/Pearson/fund_comp_sci/104
					Describe the relationship between drivers, hardware and operating systems.	1	111-115	https://wgdesigngroup.com/Pearson/fund_comp_sci/111
	Standard 1: Reflect mastery of foundational computer literacy skills			SC.912.CO.1.5:	Describe the organization of a computer and its principal components.	1	10-13	https://wgdesigngroup.com/Pearson/fund_comp_sci/10
					Describe the organization of a computer and its principal components.	1	104-109	https://wgdesigngroup.com/Pearson/fund_comp_sci/104
					Describe the organization of a computer and its principal components.	1	111-115	https://wgdesigngroup.com/Pearson/fund_comp_sci/111
				SC.912.CO.1.6:	Develop and evaluate criteria for purchasing or upgrading computer system hardware.	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
					Develop and evaluate criteria for purchasing or upgrading computer system hardware.	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
					Develop and evaluate criteria for purchasing or upgrading computer system hardware.	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
				SC.912.CO.1.7:	Describe the process of protecting computer hardware from exploitation.	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
					Describe the process of protecting computer hardware from exploitation.	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
					Describe the process of protecting computer hardware from exploitation.	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
				SC.912.CO.1.8:	Describe how the Internet facilitates global communication.	1	82-83	https://wgdesigngroup.com/Pearson/fund_comp_sci/82
					Describe how the Internet facilitates global communication.	1	196-197	https://wgdesigngroup.com/Pearson/fund_comp_sci/196
					Describe how the Internet facilitates global communication.	1	232-233	https://wgdesigngroup.com/Pearson/fund_comp_sci/232
				SC.912.CO.1.9:	Evaluate the accuracy, relevance, comprehensiveness and bias of electronic information resources.	1	78-79	https://wgdesigngroup.com/Pearson/fund_comp_sci/78
					Evaluate the accuracy, relevance, comprehensiveness and bias of electronic information resources.	1	124-125	https://wgdesigngroup.com/Pearson/fund_comp_sci/124
					Evaluate the accuracy, relevance, comprehensiveness and bias of electronic information resources.	1	936-937	https://wgdesigngroup.com/Pearson/fund_comp_sci/936
				SC.912.CO.2.1:	Explore the function of Basic Input/Output System (BIOS) and Unified Extensible Firmware Interface (UEFI) in a computer.	1	242-243	https://wgdesigngroup.com/Pearson/fund_comp_sci/242
					Explore the function of Basic Input/Output System (BIOS) and Unified Extensible Firmware Interface (UEFI) in a computer.	1	480-485	https://wgdesigngroup.com/Pearson/fund_comp_sci/480

SC.912.CO: Computing Components	Standard 2: Construct varying hardware configurations			Explore the function of Basic Input/Output System (BIOS) and Unified Extensible Firmware Interface (UEFI) in a computer.	1	1120-1121	https://wgdesigngroup.com/Pearson/fund_comp_sci/1120
			SC.912.CO.2.2:	Explore motherboard variations.	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
				Explore motherboard variations.	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
				Explore motherboard variations.	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
			SC.912.CO.2.3:	Discuss the central processing unit (CPU).	1	104-107	https://wgdesigngroup.com/Pearson/fund_comp_sci/104
				Discuss the central processing unit (CPU).	1	112-113	https://wgdesigngroup.com/Pearson/fund_comp_sci/112
				Discuss the central processing unit (CPU).	1	128-129	https://wgdesigngroup.com/Pearson/fund_comp_sci/128
			SC.912.CO.2.4:	Explore the role of a power supply unit (PSU) in relation to a computer system.	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
				Explore the role of a power supply unit (PSU) in relation to a computer system.	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
				Explore the role of a power supply unit (PSU) in relation to a computer system.	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
			SC.912.CO.2.5:	Analyze the purpose of various random-access memory (RAM) speeds and storage sizes.	1	106-107	https://wgdesigngroup.com/Pearson/fund_comp_sci/106
				Analyze the purpose of various random-access memory (RAM) speeds and storage sizes.	1	128-129	https://wgdesigngroup.com/Pearson/fund_comp_sci/128
				Analyze the purpose of various random-access memory (RAM) speeds and storage sizes.	1	242-243	https://wgdesigngroup.com/Pearson/fund_comp_sci/242
			SC.912.CO.2.6:	Analyze hardware compatibility issues between industry specific devices.	1	1174-1175	https://wgdesigngroup.com/Pearson/fund_comp_sci/1174
				Analyze hardware compatibility issues between industry specific devices.	2	16-17	https://wgdesigngroup.com/Pearson/fund_comp_sci2/16
				Analyze hardware compatibility issues between industry specific devices.	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
			SC.912.CO.2.7:	Evaluate various forms of input and output (IO).	1	486-487	https://wgdesigngroup.com/Pearson/fund_comp_sci/486
				Evaluate various forms of input and output (IO).	1	1120-1121	https://wgdesigngroup.com/Pearson/fund_comp_sci/1120
				Evaluate various forms of input and output (IO).	1	1276-1277	https://wgdesigngroup.com/Pearson/fund_comp_sci/1276
			SC.912.CO.2.8:	Evaluate the basic components of wired computer networks.	1	156-157	https://wgdesigngroup.com/Pearson/fund_comp_sci/156
				Evaluate the basic components of wired computer networks.	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
				Evaluate the basic components of wired computer networks.	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
			SC.912.CO.2.9:	Evaluate the basic components of wireless computer networks.	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
				Evaluate the basic components of wireless computer networks.	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
				Evaluate the basic components of wireless computer networks.	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
			SC.912.CO.2.10:	Explore the components of a data packet.	1	108-109	https://wgdesigngroup.com/Pearson/fund_comp_sci/108
				Explore the components of a data packet.	1	204-205	https://wgdesigngroup.com/Pearson/fund_comp_sci/204
				Explore the components of a data packet.	1	218-223	https://wgdesigngroup.com/Pearson/fund_comp_sci/218
			SC.912.CO.2.11:	Investigate the issues that impact network functionality.	1	1004-1005	https://wgdesigngroup.com/Pearson/fund_comp_sci/1004
				Investigate the issues that impact network functionality.	1	1118-1119	https://wgdesigngroup.com/Pearson/fund_comp_sci/1118
				Investigate the issues that impact network functionality.	1	1160-1161	https://wgdesigngroup.com/Pearson/fund_comp_sci/1160
			SC.912.CO.2.12:	Describe common network protocols.	1	1118-1119	https://wgdesigngroup.com/Pearson/fund_comp_sci/1118
				Describe common network protocols.	1	1160-1161	https://wgdesigngroup.com/Pearson/fund_comp_sci/1160
				Describe common network protocols.	1	1184-1185	https://wgdesigngroup.com/Pearson/fund_comp_sci/1184
			SC.912.CO.2.13:	Discern how common network protocols are applied by client-server and peer-to-peer networks.	1	110-111	https://wgdesigngroup.com/Pearson/fund_comp_sci/110
				Discern how common network protocols are applied by client-server and peer-to-peer networks.	1	128-129	https://wgdesigngroup.com/Pearson/fund_comp_sci/128

				Discern how common network protocols are applied by client-server and peer-to-peer networks.	1	996-997	https://wgdesigngroup.com/Pearson/fund_comp_sci/996
			SC.912.CO.2.14:	Explore the role of dynamic host control protocol (DHCP) in a networking system.	1	356-359	https://wgdesigngroup.com/Pearson/fund_comp_sci/356
				Explore the role of dynamic host control protocol (DHCP) in a networking system.	1	384-389	https://wgdesigngroup.com/Pearson/fund_comp_sci/384
				Explore the role of dynamic host control protocol (DHCP) in a networking system.	1	406-407	https://wgdesigngroup.com/Pearson/fund_comp_sci/406
			SC.912.CO.2.15:	Analyze the importance of subnetting.	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
				Analyze the importance of subnetting.	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
				Analyze the importance of subnetting.	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
			SC.912.CO.2.16:	Describe how devices are identified on a network.	1	80-81	https://wgdesigngroup.com/Pearson/fund_comp_sci/80
				Describe how devices are identified on a network.	1	1004-1005	https://wgdesigngroup.com/Pearson/fund_comp_sci/1004
				Describe how devices are identified on a network.	1	1196-1197	https://wgdesigngroup.com/Pearson/fund_comp_sci/1196
		Standard 3: Utilize various software components to create computational artifacts	SC.912.CO.3.2:	Develop criteria for selecting software when solving a specific real-world problem.	1	42-43	https://wgdesigngroup.com/Pearson/fund_comp_sci/42
				Develop criteria for selecting software when solving a specific real-world problem.	1	56-57	https://wgdesigngroup.com/Pearson/fund_comp_sci/56
				Develop criteria for selecting software when solving a specific real-world problem.	1	109-113	https://wgdesigngroup.com/Pearson/fund_comp_sci/109
			SC.912.CO.3.3:	Examine the difference between operating system (OS) software and application software.	1	56-57	https://wgdesigngroup.com/Pearson/fund_comp_sci/56
				Examine the difference between operating system (OS) software and application software.	1	108-113	https://wgdesigngroup.com/Pearson/fund_comp_sci/108
				Examine the difference between operating system (OS) software and application software.	1	1124-1125	https://wgdesigngroup.com/Pearson/fund_comp_sci/1124
		Standard 1: Assess and apply physical security strategies	SC.912.CS.1.1:	Identify possible risks to maintaining data confidentiality.	1	80-85	https://wgdesigngroup.com/Pearson/fund_comp_sci/80
				Identify possible risks to maintaining data confidentiality.	1	126-127	https://wgdesigngroup.com/Pearson/fund_comp_sci/126
				Identify possible risks to maintaining data confidentiality.	1	1306-1307	https://wgdesigngroup.com/Pearson/fund_comp_sci/1306
			SC.912.CS.1.2:	Describe computer security vulnerabilities.	1	614-615	https://wgdesigngroup.com/Pearson/fund_comp_sci/614
				Describe computer security vulnerabilities.	1	918-919	https://wgdesigngroup.com/Pearson/fund_comp_sci/918
				Describe computer security vulnerabilities.	1	1484-1485	https://wgdesigngroup.com/Pearson/fund_comp_sci/1484
			SC.912.CS.1.3:	Evaluate computer security vulnerabilities.	1	614-615	https://wgdesigngroup.com/Pearson/fund_comp_sci/614
				Evaluate computer security vulnerabilities.	1	918-919	https://wgdesigngroup.com/Pearson/fund_comp_sci/918
				Evaluate computer security vulnerabilities.	1	1484-1485	https://wgdesigngroup.com/Pearson/fund_comp_sci/1484
		Standard 2: Research and analyze network security impacts	SC.912.CS.2.1:	Analyze security and privacy issues that relate to computer networks and network connected devices.	1	78-81	https://wgdesigngroup.com/Pearson/fund_comp_sci/78
				Analyze security and privacy issues that relate to computer networks and network connected devices.	1	120-125	https://wgdesigngroup.com/Pearson/fund_comp_sci/120
				Analyze security and privacy issues that relate to computer networks and network connected devices.	1	1240-1247	https://wgdesigngroup.com/Pearson/fund_comp_sci/1240
			SC.912.CS.2.2:	Describe security and privacy issues that relate to computer networks including the permanency of data on the Internet, online identity and privacy.	1	78-81	https://wgdesigngroup.com/Pearson/fund_comp_sci/78
	Strand SC.912.CS: Cybersecurity			Describe security and privacy issues that relate to computer networks including the permanency of data on the Internet, online identity and privacy.	1	120-125	https://wgdesigngroup.com/Pearson/fund_comp_sci/120

				Standard	Code	Description		Pages	URL
						Describe security and privacy issues that relate to computer networks including the permanency of data on the Internet, online identity and privacy.	1	1240-1247	https://wgdesigngroup.com/Pearson/fund_comp_sci/1240
					SC.912.CS.2.3:	Apply network security concepts and strategies to real-world simulations.	1	1238-1239	https://wgdesigngroup.com/Pearson/fund_comp_sci/1238
						Apply network security concepts and strategies to real-world simulations.	1	1242-1245	https://wgdesigngroup.com/Pearson/fund_comp_sci/1242
						Apply network security concepts and strategies to real-world simulations.	1	1256-1257	https://wgdesigngroup.com/Pearson/fund_comp_sci/1256
					SC.912.CS.3.1:	Investigate ransomware attacks.	1	84-85	https://wgdesigngroup.com/Pearson/fund_comp_sci/84
						Investigate ransomware attacks.	2	2132-2133	https://wgdesigngroup.com/Pearson/fund_comp_sci2/2132
						Investigate ransomware attacks.	2	2144-2145	https://wgdesigngroup.com/Pearson/fund_comp_sci2/2144
					SC.912.CS.3.2:	Explore access control rules.	1	1234-1235	https://wgdesigngroup.com/Pearson/fund_comp_sci/1234
						Explore access control rules.	1	1242-1243	https://wgdesigngroup.com/Pearson/fund_comp_sci/1242
						Explore access control rules.	1	1306-1307	https://wgdesigngroup.com/Pearson/fund_comp_sci/1306
				Standard 3: Reflect on the consequences of social engineering	SC.912.CS.3.3:	Analyze the limitations of a programs temporary storage and the security vulnerabilities.	1	44-45	https://wgdesigngroup.com/Pearson/fund_comp_sci/44
						Analyze the limitations of a programs temporary storage and the security vulnerabilities.	1	112-113	https://wgdesigngroup.com/Pearson/fund_comp_sci/112
						Analyze the limitations of a programs temporary storage and the security vulnerabilities.	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
					SC.912.CS.3.4:	Trace the social engineering attack cycle.	2	2132-2133	https://wgdesigngroup.com/Pearson/fund_comp_sci2/2132
						Trace the social engineering attack cycle.	2	2178-2179	https://wgdesigngroup.com/Pearson/fund_comp_sci2/2178
						Trace the social engineering attack cycle.	2	2038-2039	https://wgdesigngroup.com/Pearson/fund_comp_sci2/2038
					SC.912.ET.1.1:	Describe the emerging features of mobile devices, smart devices and vehicles.	1	1172-1175	https://wgdesigngroup.com/Pearson/fund_comp_sci/1172
						Describe the emerging features of mobile devices, smart devices and vehicles.	1	1176-1179	https://wgdesigngroup.com/Pearson/fund_comp_sci/1176
						Describe the emerging features of mobile devices, smart devices and vehicles.	1	1182-1187	https://wgdesigngroup.com/Pearson/fund_comp_sci/1182
					SC.912.ET.1.2:	Describe the physical and cognitive challenges faced by users when learning to use computer interfaces.	1	1170-1181	https://wgdesigngroup.com/Pearson/fund_comp_sci/1170
						Describe the physical and cognitive challenges faced by users when learning to use computer interfaces.	1	1206-1207	https://wgdesigngroup.com/Pearson/fund_comp_sci/1206
						Describe the physical and cognitive challenges faced by users when learning to use computer interfaces.	1	1212-1213	https://wgdesigngroup.com/Pearson/fund_comp_sci/1212
				Standard 1: Analyze the impact of emerging technologies on everyday life	SC.912.ET.1.3 :	Analyze the process and design innovative software to support specialized forms of human-computer interaction.	1	100-101	https://wgdesigngroup.com/Pearson/fund_comp_sci/100
						Analyze the process and design innovative software to support specialized forms of human-computer interaction.	1	166-167	https://wgdesigngroup.com/Pearson/fund_comp_sci/166
						Analyze the process and design innovative software to support specialized forms of human-computer interaction.	1	296-297	https://wgdesigngroup.com/Pearson/fund_comp_sci/296
					SC.912.ET.1.4:	Examine device-to-device interactions that exclude human input.	1	78-79	https://wgdesigngroup.com/Pearson/fund_comp_sci/78
						Examine device-to-device interactions that exclude human input.	1	100-101	https://wgdesigngroup.com/Pearson/fund_comp_sci/100
						Examine device-to-device interactions that exclude human input.	1	936-937	https://wgdesigngroup.com/Pearson/fund_comp_sci/936
					SC.912.ET.1.5:	Explore the concepts of virtual and augmented reality.	1	56-57	https://wgdesigngroup.com/Pearson/fund_comp_sci/56
						Explore the concepts of virtual and augmented reality.	1	834-835	https://wgdesigngroup.com/Pearson/fund_comp_sci/834
						Explore the concepts of virtual and augmented reality.	1	1456-1457	https://wgdesigngroup.com/Pearson/fund_comp_sci/1456
					SC.912.ET.1.6:	Analyze the impact on natural resources due to manufacturing of computer hardware components.	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/

Strand SC.912.ET: Emerging Technologies				Analyze the impact on natural resources due to manufacturing of computer hardware components.	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
				Analyze the impact on natural resources due to manufacturing of computer hardware components.	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
			SC.912.ET.1.7:	Describe how technology has changed the way people build and manage organizations and how technology impacts personal life.	1	4-7	https://wgdesigngroup.com/Pearson/fund_comp_sci/4
				Describe how technology has changed the way people build and manage organizations and how technology impacts personal life.	1	72-73	https://wgdesigngroup.com/Pearson/fund_comp_sci/72
				Describe how technology has changed the way people build and manage organizations and how technology impacts personal life.	1	78-79	https://wgdesigngroup.com/Pearson/fund_comp_sci/78
		Standard 2: Analyze the impact of Artifical Interllligence (AI) and its applications	SC.912.ET.2.1:	Explore the history of Artificial Intelligence (AI).	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
				Explore the history of Artificial Intelligence (AI).	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
				Explore the history of Artificial Intelligence (AI).	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
			SC.912.ET.2.2:	Describe the major branches of Artificial Intelligence (AI).	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
				Describe the major branches of Artificial Intelligence (AI).	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
				Describe the major branches of Artificial Intelligence (AI).	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
			SC.912.ET.2.3:	Evaluate the application of algorithms to Artificial Intelligence (AI).	1	296-297	https://wgdesigngroup.com/Pearson/fund_comp_sci/296
				Evaluate the application of algorithms to Artificial Intelligence (AI).	1	638-639	https://wgdesigngroup.com/Pearson/fund_comp_sci/638
				Evaluate the application of algorithms to Artificial Intelligence (AI).	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
			SC.912.ET.2.4:	Evaluate the Artificial Intelligence (AI) of computers to model human behaviors.	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
				Evaluate the Artificial Intelligence (AI) of computers to model human behaviors.	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
				Evaluate the Artificial Intelligence (AI) of computers to model human behaviors.	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
			SC.912.ET.2.5:	Describe major applications of artificial intelligence (AI) and machine learning.	2	2146-2147	https://wgdesigngroup.com/Pearson/fund_comp_sci2/2146
				Describe major applications of artificial intelligence (AI) and machine learning.	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
				Describe major applications of artificial intelligence (AI) and machine learning.	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
			SC.912.ET.2.6:	Describe how predictive Artificial Intelligence (AI) can be used to solve problems.	1	100-101	https://wgdesigngroup.com/Pearson/fund_comp_sci/100
				Describe how predictive Artificial Intelligence (AI) can be used to solve problems.	1	166-167	https://wgdesigngroup.com/Pearson/fund_comp_sci/166
		Standard 3: Analyze characteristics of robotics	SC.912.ET.3.1:	Describe the advancement of robotics.	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
				Describe the advancement of robotics.	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
				Describe the advancement of robotics.	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
			SC.912.ET.3.2:	Examine how robotics are used to address human challenges.	1	1056-1057	https://wgdesigngroup.com/Pearson/fund_comp_sci/1056
				Examine how robotics are used to address human challenges.	2	2110-2111	https://wgdesigngroup.com/Pearson/fund_comp_sci2/2110
				Examine how robotics are used to address human challenges.	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
			SC.912.HS.1.1:	Identify potential dangers to an individual's safety and security online.	1	1236-1237	https://wgdesigngroup.com/Pearson/fund_comp_sci/1236
				Identify potential dangers to an individual's safety and security online.	1	1306-1307	https://wgdesigngroup.com/Pearson/fund_comp_sci/1306
				Identify potential dangers to an individual's safety and security online.	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
			SC.912.HS.1.2:	Evaluate the consequences of cyberbullying.	1	14-15	https://wgdesigngroup.com/Pearson/fund_comp_sci/14
				Evaluate the consequences of cyberbullying.	1	80-81	https://wgdesigngroup.com/Pearson/fund_comp_sci/80
				Evaluate the consequences of cyberbullying.	1	126-127	https://wgdesigngroup.com/Pearson/fund_comp_sci/126

Strand SC.912.HS: Personal Health and Safety	Standard 1: Design a personalized plan for Internet practices	SC.912.HS.1.3:	Determine the consequences of inaction when witnessing unsafe Internet practices.	2	2130-2147	https://wgdesigngroup.com/Pearson/fund_comp_sci2/2130
			Determine the consequences of inaction when witnessing unsafe Internet practices.	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
			Determine the consequences of inaction when witnessing unsafe Internet practices.	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
		SC.912.HS.1.4:	Examine the positive outcomes when someone reports suspicious behavior on the Internet.	1	24-25	https://wgdesigngroup.com/Pearson/fund_comp_sci/24
			Examine the positive outcomes when someone reports suspicious behavior on the Internet.	1	144-145	https://wgdesigngroup.com/Pearson/fund_comp_sci/144
			Examine the positive outcomes when someone reports suspicious behavior on the Internet.	1	1244-1245	https://wgdesigngroup.com/Pearson/fund_comp_sci/1244
		SC.912.HS.1.5:	Evaluate the risks to personal information while accessing the Internet.	1	14-15	https://wgdesigngroup.com/Pearson/fund_comp_sci/14
			Evaluate the risks to personal information while accessing the Internet.	1	1234-1239	https://wgdesigngroup.com/Pearson/fund_comp_sci/1234
			Evaluate the risks to personal information while accessing the Internet.	1	1240-1251	https://wgdesigngroup.com/Pearson/fund_comp_sci/1240
		SC.912.HS.1.6:	Describe the impact of permissible privacy and security.	1	346-347	https://wgdesigngroup.com/Pearson/fund_comp_sci/346
			Describe the impact of permissible privacy and security.	1	1234-1239	https://wgdesigngroup.com/Pearson/fund_comp_sci/1234
			Describe the impact of permissible privacy and security.	1	1240-1251	https://wgdesigngroup.com/Pearson/fund_comp_sci/1240
		SC.912.HS.1.7:	Construct strategies to combat cyberbullying or online harassment.	1	14-15	https://wgdesigngroup.com/Pearson/fund_comp_sci/14
			Construct strategies to combat cyberbullying or online harassment.	1	80-81	https://wgdesigngroup.com/Pearson/fund_comp_sci/80
			Construct strategies to combat cyberbullying or online harassment.	1	126-127	https://wgdesigngroup.com/Pearson/fund_comp_sci/126
	Standard 2: Research and revise the effects of digital device use	SC.912.HS.2.1:	Prioritize regulating screen time and the use of electronic devices for mental and physical well-being.	1	82-83	https://wgdesigngroup.com/Pearson/fund_comp_sci/82
			Prioritize regulating screen time and the use of electronic devices for mental and physical well-being.	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
			Prioritize regulating screen time and the use of electronic devices for mental and physical well-being.	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
		SC.912.HS.2.2:	Investigate the correlation between sedentary behavior and digital device use.	1	82-83	https://wgdesigngroup.com/Pearson/fund_comp_sci/82
			Investigate the correlation between sedentary behavior and digital device use.	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
			Investigate the correlation between sedentary behavior and digital device use.	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
		SC.912.HS.2.3:	Assess the role of digital health trackers in promoting healthy behaviors.	1	1040-1041	https://wgdesigngroup.com/Pearson/fund_comp_sci/1040
			Assess the role of digital health trackers in promoting healthy behaviors.	1	1192-1193	https://wgdesigngroup.com/Pearson/fund_comp_sci/1192
			Assess the role of digital health trackers in promoting healthy behaviors.	1	1216	https://wgdesigngroup.com/Pearson/fund_comp_sci/1216
		SC.912.HS.2.4:	Analyze the relationship between eye strain related to use of technology and exposure to increased blue light.	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
			Analyze the relationship between eye strain related to use of technology and exposure to increased blue light.	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
			Analyze the relationship between eye strain related to use of technology and exposure to increased blue light.	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
		SC.912.HS.3.1:	Discuss the permanency of data on the Internet.	1	6-7	https://wgdesigngroup.com/Pearson/fund_comp_sci/6
			Discuss the permanency of data on the Internet.	1	16-17	https://wgdesigngroup.com/Pearson/fund_comp_sci/16
			Discuss the permanency of data on the Internet.	1	408-409	https://wgdesigngroup.com/Pearson/fund_comp_sci/408

			Standard 3: Assess digital footprints				
Computer Science	9th to 12th		Standard 3: Assess digital footprints	SC.912.HS.3.2:	Analyze how social media influences the digital footprint of individuals, communities and cultures.	1	1242-1243	https://wgdesigngroup.com/Pearson/fund_comp_sci/1242
					Analyze how social media influences the digital footprint of individuals, communities and cultures.	1	1250-1251	https://wgdesigngroup.com/Pearson/fund_comp_sci/1250
					Analyze how social media influences the digital footprint of individuals, communities and cultures.	1	1258-1259	https://wgdesigngroup.com/Pearson/fund_comp_sci/1258
				SC.912.PE.1.1:	Write code segments.	1	508-509	https://wgdesigngroup.com/Pearson/fund_comp_sci/508
					Write code segments.	1	536-537	https://wgdesigngroup.com/Pearson/fund_comp_sci/536
					Write code segments.	1	836-837	https://wgdesigngroup.com/Pearson/fund_comp_sci/836
				SC.912.PE.1.2:	Create iterative and non-iterative structures within a program.	1	658-659	https://wgdesigngroup.com/Pearson/fund_comp_sci/658
					Create iterative and non-iterative structures within a program.	1	714-715	https://wgdesigngroup.com/Pearson/fund_comp_sci/714
					Create iterative and non-iterative structures within a program.	1	724-725	https://wgdesigngroup.com/Pearson/fund_comp_sci/724
				SC.912.PE.1.3:	Create selection structures within a program.	1	280-281	https://wgdesigngroup.com/Pearson/fund_comp_sci/280
					Create selection structures within a program.	1	762-763	https://wgdesigngroup.com/Pearson/fund_comp_sci/762
					Create selection structures within a program.	1	748-749	https://wgdesigngroup.com/Pearson/fund_comp_sci/748
				SC.912.PE.1.4:	Write a void function that does not return a value.	1	1284-1285	https://wgdesigngroup.com/Pearson/fund_comp_sci/1284
					Write a void function that does not return a value.	1	1470-1471	https://wgdesigngroup.com/Pearson/fund_comp_sci/1470
					Write a void function that does not return a value.	1	1472-1473	https://wgdesigngroup.com/Pearson/fund_comp_sci/1472
				SC.912.PE.1.5:	Write a non-void function that will return a value.	1	1288-1289	https://wgdesigngroup.com/Pearson/fund_comp_sci/1288
					Write a non-void function that will return a value.	1	1466-1467	https://wgdesigngroup.com/Pearson/fund_comp_sci/1466
					Write a non-void function that will return a value.	1	1470-1471	https://wgdesigngroup.com/Pearson/fund_comp_sci/1470
				SC.912.PE.1.6:	Create a nested array to aggregate data.	1	1338-1339	https://wgdesigngroup.com/Pearson/fund_comp_sci/1338
					Create a nested array to aggregate data.	1	1496-1497	https://wgdesigngroup.com/Pearson/fund_comp_sci/1496
					Create a nested array to aggregate data.	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
				SC.912.PE.1.7:	Define multiple variables to the same value while utilizing aliasing.	1	1510-1511	https://wgdesigngroup.com/Pearson/fund_comp_sci/1510
					Define multiple variables to the same value while utilizing aliasing.	1	1522-1523	https://wgdesigngroup.com/Pearson/fund_comp_sci/1522
					Define multiple variables to the same value while utilizing aliasing.	1	1534-1535	https://wgdesigngroup.com/Pearson/fund_comp_sci/1534
				SC.912.PE.1.8:	Define a class to store data attributes.	1	1284-1285	https://wgdesigngroup.com/Pearson/fund_comp_sci/1284
					Define a class to store data attributes.	1	1292-1293	https://wgdesigngroup.com/Pearson/fund_comp_sci/1292
					Define a class to store data attributes.	1	1302-1303	https://wgdesigngroup.com/Pearson/fund_comp_sci/1302
				SC.912.PE.1.9:	Create methods that a class can inherit.	1	1118-1119	https://wgdesigngroup.com/Pearson/fund_comp_sci/1118
					Create methods that a class can inherit.	1	1281-1285	https://wgdesigngroup.com/Pearson/fund_comp_sci/1281
					Create methods that a class can inherit.	1	1286-1289	https://wgdesigngroup.com/Pearson/fund_comp_sci/1286
				SC.912.PE.1.10:	Write programs that validate user input.	1	614-615	https://wgdesigngroup.com/Pearson/fund_comp_sci/614
					Write programs that validate user input.	1	1026-1027	https://wgdesigngroup.com/Pearson/fund_comp_sci/1026
					Write programs that validate user input.	1	1330-1331	https://wgdesigngroup.com/Pearson/fund_comp_sci/1330
				SC.912.PE.1.11:	Compare the differences in execution of interpreted and compiled languages.	1	288-289	https://wgdesigngroup.com/Pearson/fund_comp_sci/288
					Compare the differences in execution of interpreted and compiled languages.	1	326-327	https://wgdesigngroup.com/Pearson/fund_comp_sci/326
					Compare the differences in execution of interpreted and compiled languages.	1	470-471	https://wgdesigngroup.com/Pearson/fund_comp_sci/470
				SC.912.PE.1.12:	Classify programming languages.	1	296-301	https://wgdesigngroup.com/Pearson/fund_comp_sci/296
					Classify programming languages.	1	303	https://wgdesigngroup.com/Pearson/fund_comp_sci/303
					Classify programming languages.	1	329	https://wgdesigngroup.com/Pearson/fund_comp_sci/329
				SC.912.PE.1.13:	Describe and identify types of programming errors.	1	488-489	https://wgdesigngroup.com/Pearson/fund_comp_sci/488

Standard 1: Create, implement and analyze programs that include sequencing, selection and iteration.		Describe and identify types of programming errors.	1	492-493	https://wgdesigngroup.com/Pearson/fund_comp_sci/492
		Describe and identify types of programming errors.	1	516-517	https://wgdesigngroup.com/Pearson/fund_comp_sci/516
	SC.912.PE.1.14:	Design and implement variables in a program using global and local scope	1	874-875	https://wgdesigngroup.com/Pearson/fund_comp_sci/874
		Design and implement variables in a program using global and local scope	1	880-881	https://wgdesigngroup.com/Pearson/fund_comp_sci/880
		Design and implement variables in a program using global and local scope	1	902-903	https://wgdesigngroup.com/Pearson/fund_comp_sci/902
	SC.912.PE.1.15:	Implement a program using an integrated development environment (IDE) commonly used.	1	110-111	https://wgdesigngroup.com/Pearson/fund_comp_sci/110
		Implement a program using an integrated development environment (IDE) commonly used.	1	1180-1181	https://wgdesigngroup.com/Pearson/fund_comp_sci/1180
		Implement a program using an integrated development environment (IDE) commonly used.	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
	SC.912.PE.1.16:	Explain the distinction between a programming languages standard library and the Application Programming Interface (API)	1	1357-1359	https://wgdesigngroup.com/Pearson/fund_comp_sci/1357
		Explain the distinction between a programming languages standard library and the Application Programming Interface (API)	2	136-137	https://wgdesigngroup.com/Pearson/fund_comp_sci2/136
		Explain the distinction between a programming languages standard library and the Application Programming Interface (API)	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
	SC.912.PE.1.17:	Examine the building blocks of algorithms.	1	90-91	https://wgdesigngroup.com/Pearson/fund_comp_sci/90
		Examine the building blocks of algorithms.	1	98-99	https://wgdesigngroup.com/Pearson/fund_comp_sci/98
		Examine the building blocks of algorithms.	1	158-159	https://wgdesigngroup.com/Pearson/fund_comp_sci/158
	SC.912.PE.1.18:	Develop a computer program.	1	1138-1139	https://wgdesigngroup.com/Pearson/fund_comp_sci/1138
		Develop a computer program.	1	1142-1143	https://wgdesigngroup.com/Pearson/fund_comp_sci/1142
		Develop a computer program.	1	1301-1302	https://wgdesigngroup.com/Pearson/fund_comp_sci/1301
	SC.912.PE.1.19:	Review a computer program to verify program functionality, programming styles, program usability and adherence to common programming standards.	1	1300-1301	https://wgdesigngroup.com/Pearson/fund_comp_sci/1300
		Review a computer program to verify program functionality, programming styles, program usability and adherence to common programming standards.	1	1304-1305	https://wgdesigngroup.com/Pearson/fund_comp_sci/1304
		Review a computer program to verify program functionality, programming styles, program usability and adherence to common programming standards.	1	1314-1315	https://wgdesigngroup.com/Pearson/fund_comp_sci/1314
	SC.912.PE.1.20:	Write programs that use standard logic operators.	1	670-671	https://wgdesigngroup.com/Pearson/fund_comp_sci/670
		Write programs that use standard logic operators.	1	736-737	https://wgdesigngroup.com/Pearson/fund_comp_sci/736
		Write programs that use standard logic operators.	1	1263-1264	https://wgdesigngroup.com/Pearson/fund_comp_sci/1263
	SC.912.PE.1.21:	Use Boolean logic to perform logical operations.	1	670-671	https://wgdesigngroup.com/Pearson/fund_comp_sci/670
		Use Boolean logic to perform logical operations.	1	736-737	https://wgdesigngroup.com/Pearson/fund_comp_sci/736
		Use Boolean logic to perform logical operations.	1	1263-1264	https://wgdesigngroup.com/Pearson/fund_comp_sci/1263
	SC.912.PE.1.23:	Compile, run, test and debug a digital artifact.	1	434-435	https://wgdesigngroup.com/Pearson/fund_comp_sci/434
		Compile, run, test and debug a digital artifact.	1	488-489	https://wgdesigngroup.com/Pearson/fund_comp_sci/488
		Compile, run, test and debug a digital artifact.	1	1466-1479	https://wgdesigngroup.com/Pearson/fund_comp_sci/1466
	SC.912.PE.2.1:	Create a matrix from connected lists.	1	1338-1339	https://wgdesigngroup.com/Pearson/fund_comp_sci/1338
		Create a matrix from connected lists.	1		https://wgdesigngroup.com/Pearson/fund_comp_sci/

Strand SC.912.PE: Programming and Software Engineering	Standard 2: Create and analyze data to solve real-world problems.		Create a matrix from connected lists.	**1**		https://wgdesigngroup.com/Pearson/fund_comp_sci/
		SC.912.PE.2.2:	Evaluate the purpose of sublist indexing.	1	1052-1053	https://wgdesigngroup.com/Pearson/fund_comp_sci/1052
			Evaluate the purpose of sublist indexing.	1	1076-1077	https://wgdesigngroup.com/Pearson/fund_comp_sci/1076
			Evaluate the purpose of sublist indexing.	1	1086-1087	https://wgdesigngroup.com/Pearson/fund_comp_sci/1086
		SC.912.PE.2.3:	Compare techniques for analyzing massive data collections.	1	1450-1451	https://wgdesigngroup.com/Pearson/fund_comp_sci/1450
			Compare techniques for analyzing massive data collections.	1	1483-1484	https://wgdesigngroup.com/Pearson/fund_comp_sci/1483
			Compare techniques for analyzing massive data collections.	1	1498-1490	https://wgdesigngroup.com/Pearson/fund_comp_sci/1498
		SC.912.PE.3.1:	Evaluate arithmetic expressions using operator precedence.	1	530-531	https://wgdesigngroup.com/Pearson/fund_comp_sci/530
			Evaluate arithmetic expressions using operator precedence.	1	534-535	https://wgdesigngroup.com/Pearson/fund_comp_sci/534
			Evaluate arithmetic expressions using operator precedence.	1	540-541	https://wgdesigngroup.com/Pearson/fund_comp_sci/540
		SC.912.PE.3.2:	Decompose a problem by defining new code segments.	1	512-513	https://wgdesigngroup.com/Pearson/fund_comp_sci/512
			Decompose a problem by defining new code segments.	1	1403-1413	https://wgdesigngroup.com/Pearson/fund_comp_sci/1403
			Decompose a problem by defining new code segments.	1	1434-1446	https://wgdesigngroup.com/Pearson/fund_comp_sci/1434
		SC.912.PE.3.4:	Evaluate algorithms by their efficiency, correctness and clarity.	1	308-309	https://wgdesigngroup.com/Pearson/fund_comp_sci/308
			Evaluate algorithms by their efficiency, correctness and clarity.	1	464-465	https://wgdesigngroup.com/Pearson/fund_comp_sci/464
			Evaluate algorithms by their efficiency, correctness and clarity.	1	760-761	https://wgdesigngroup.com/Pearson/fund_comp_sci/760
		SC.912.PE.3.5:	Differentiate automated testing platforms and their uses.	1	1182-1183	https://wgdesigngroup.com/Pearson/fund_comp_sci/1182
			Differentiate automated testing platforms and their uses.	**2**	368-369	https://wgdesigngroup.com/Pearson/fund_comp_sci2/368
			Differentiate automated testing platforms and their uses.	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
		SC.912.PE.3.6:	Explain the different types of testing that can be performed in a complex software system.	1	618-619	https://wgdesigngroup.com/Pearson/fund_comp_sci/618
			Explain the different types of testing that can be performed in a complex software system.	1	660-661	https://wgdesigngroup.com/Pearson/fund_comp_sci/660
			Explain the different types of testing that can be performed in a complex software system.	1	1414-1415	https://wgdesigngroup.com/Pearson/fund_comp_sci/1414
		SC.912.PE.3.7:	Introduce complex problems and understand that these problems may be computationally unsolvable.	1	530-537	https://wgdesigngroup.com/Pearson/fund_comp_sci/530
			Introduce complex problems and understand that these problems may be computationally unsolvable.	1	540-549	https://wgdesigngroup.com/Pearson/fund_comp_sci/540
			Introduce complex problems and understand that these problems may be computationally unsolvable.	1	590-591	https://wgdesigngroup.com/Pearson/fund_comp_sci/590
		SC.912.PE.3.8:	Describe the concept of parallel processing as a strategy to solve large problems.	1	848-849	https://wgdesigngroup.com/Pearson/fund_comp_sci/848
			Describe the concept of parallel processing as a strategy to solve large problems.	1	1038-1039	https://wgdesigngroup.com/Pearson/fund_comp_sci/1038
			Describe the concept of parallel processing as a strategy to solve large problems.	1	1092-1099	https://wgdesigngroup.com/Pearson/fund_comp_sci/1092
		SC.912.PE.3.9:	Demonstrate concurrency by separating processes into threads of execution and dividing data into parallel streams.	1	848-849	https://wgdesigngroup.com/Pearson/fund_comp_sci/848
			Demonstrate concurrency by separating processes into threads of execution and dividing data into parallel streams.	1	1038-1039	https://wgdesigngroup.com/Pearson/fund_comp_sci/1038
			Demonstrate concurrency by separating processes into threads of execution and dividing data into parallel streams.	1	1092-1099	https://wgdesigngroup.com/Pearson/fund_comp_sci/1092

				Standard	Benchmark	Description	Level	Pages	Link
				Standard 3: Apply computational thinking to real-world problems.	SC.912.PE.3.10:	Simplify a complex problem by using abstraction to manage complexity using functions and parameters, classes and methods.	1	1282-1283	https://wgdesigngroup.com/Pearson/fund_comp_sci/1282
						Simplify a complex problem by using abstraction to manage complexity using functions and parameters, classes and methods.	1	1290-1291	https://wgdesigngroup.com/Pearson/fund_comp_sci/1290
						Simplify a complex problem by using abstraction to manage complexity using functions and parameters, classes and methods.	1	1478-1479	https://wgdesigngroup.com/Pearson/fund_comp_sci/1478
					SC.912.PE.3.11:	Perform advanced searches to locate information and design a data-collection approach to gather original data.	1	306-307	https://wgdesigngroup.com/Pearson/fund_comp_sci/306
						Perform advanced searches to locate information and design a data-collection approach to gather original data.	1	330-331	https://wgdesigngroup.com/Pearson/fund_comp_sci/330
						Perform advanced searches to locate information and design a data-collection approach to gather original data.	1	438-439	https://wgdesigngroup.com/Pearson/fund_comp_sci/438
					SC.912.PE.3.12:	Explain how data analysis is used to enhance the understanding of complex natural and human systems.	1	290-291	https://wgdesigngroup.com/Pearson/fund_comp_sci/290
						Explain how data analysis is used to enhance the understanding of complex natural and human systems.	1	296-297	https://wgdesigngroup.com/Pearson/fund_comp_sci/296
						Explain how data analysis is used to enhance the understanding of complex natural and human systems.	1	1194-1195	https://wgdesigngroup.com/Pearson/fund_comp_sci/1194
					SC.912.PE.3.13:	Create a computational model that utilizes data to analyze and enhance the understanding of complex natural and human systems.	2	892-893	https://wgdesigngroup.com/Pearson/fund_comp_sci2/892
						Create a computational model that utilizes data to analyze and enhance the understanding of complex natural and human systems.	2	957-958	https://wgdesigngroup.com/Pearson/fund_comp_sci2/957
						Create a computational model that utilizes data to analyze and enhance the understanding of complex natural and human systems.	2	990-991	https://wgdesigngroup.com/Pearson/fund_comp_sci2/990
					SC.912.PE.3.14:	Analyze data by identifying patterns through modeling and simulation of real-world data.	1	780-781	https://wgdesigngroup.com/Pearson/fund_comp_sci/780
						Analyze data by identifying patterns through modeling and simulation of real-world data.	1	1414-1415	https://wgdesigngroup.com/Pearson/fund_comp_sci/1414
						Analyze data by identifying patterns through modeling and simulation of real-world data.	1	1440-1441	https://wgdesigngroup.com/Pearson/fund_comp_sci/1440
					SC.912.PE.3.15:	Test the accuracy of scientific hypotheses using computer models and simulations.	1	792-793	https://wgdesigngroup.com/Pearson/fund_comp_sci/792
						Test the accuracy of scientific hypotheses using computer models and simulations.	1	1460-1461	https://wgdesigngroup.com/Pearson/fund_comp_sci/1460
						Test the accuracy of scientific hypotheses using computer models and simulations.	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
					SC.912.PE.3.16:	Design a representation of a computer program.	1	900-905	https://wgdesigngroup.com/Pearson/fund_comp_sci/900
						Design a representation of a computer program.	1	916-919	https://wgdesigngroup.com/Pearson/fund_comp_sci/916
						Design a representation of a computer program.	1	924-929	https://wgdesigngroup.com/Pearson/fund_comp_sci/924
					SC.912.PE.3.17:	Summarize the differences between an array and an array list.	1	1128-1129	https://wgdesigngroup.com/Pearson/fund_comp_sci/1128
						Summarize the differences between an array and an array list.	1	1414-1415	https://wgdesigngroup.com/Pearson/fund_comp_sci/1414
						Summarize the differences between an array and an array list.	1	1440-1141	https://wgdesigngroup.com/Pearson/fund_comp_sci/1440
					SC.912.PE.3.18:	Explain the principles of cryptography.	1	934-935	https://wgdesigngroup.com/Pearson/fund_comp_sci/934
						Explain the principles of cryptography.	1	938-939	https://wgdesigngroup.com/Pearson/fund_comp_sci/938
						Explain the principles of cryptography.	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/

				SC.912.PE.3.19:	Determine which encryption method is suitable for an intended task.	1	934-935	https://wgdesigngroup.com/Pearson/fund_comp_sci/934
					Determine which encryption method is suitable for an intended task.	1	1024-1025	https://wgdesigngroup.com/Pearson/fund_comp_sci/1024
					Determine which encryption method is suitable for an intended task.	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
				SC.912.PE.4.1:	Explore software development cycles that can be used to solve problems at different software development stages.	1	421-422	https://wgdesigngroup.com/Pearson/fund_comp_sci/421
					Explore software development cycles that can be used to solve problems at different software development stages.	1	442-443	https://wgdesigngroup.com/Pearson/fund_comp_sci/442
					Explore software development cycles that can be used to solve problems at different software development stages.	1	489-490	https://wgdesigngroup.com/Pearson/fund_comp_sci/489
				SC.912.PE.4.2:	Develop a software artifact according to a common software development methodology.	1	288	https://wgdesigngroup.com/Pearson/fund_comp_sci/288
					Develop a software artifact according to a common software development methodology.	1	296-297	https://wgdesigngroup.com/Pearson/fund_comp_sci/296
					Develop a software artifact according to a common software development methodology.	1	489-493	https://wgdesigngroup.com/Pearson/fund_comp_sci/489
				SC.912.PE.4.3:	Identify the tools required to develop a program.	1	24-25	https://wgdesigngroup.com/Pearson/fund_comp_sci/24
					Identify the tools required to develop a program.	1	26-27	https://wgdesigngroup.com/Pearson/fund_comp_sci/26
					Identify the tools required to develop a program.	1	112-113	https://wgdesigngroup.com/Pearson/fund_comp_sci/112
				SC.912.PE.4.4:	Identify the software environment required to create a program within a specific language.	1	179	https://wgdesigngroup.com/Pearson/fund_comp_sci/179
					Identify the software environment required to create a program within a specific language.	1	1158-1159	https://wgdesigngroup.com/Pearson/fund_comp_sci/1158
					Identify the software environment required to create a program within a specific language.	1	1180-1181	https://wgdesigngroup.com/Pearson/fund_comp_sci/1180
				SC.912.PE.4.5:	Define user prompts for clarity and usability within a program.	1	428-429	https://wgdesigngroup.com/Pearson/fund_comp_sci/428
			Standard 4: Apply the software development life cycle.		Define user prompts for clarity and usability within a program.	1	446-447	https://wgdesigngroup.com/Pearson/fund_comp_sci/446
					Define user prompts for clarity and usability within a program.	1	490-491	https://wgdesigngroup.com/Pearson/fund_comp_sci/490
				SC.912.PE.4.6:	Write a program that utilizes both input and output.	1	485-488	https://wgdesigngroup.com/Pearson/fund_comp_sci/485
					Write a program that utilizes both input and output.	1	1259-1263	https://wgdesigngroup.com/Pearson/fund_comp_sci/1259
					Write a program that utilizes both input and output.	1	1364-1365	https://wgdesigngroup.com/Pearson/fund_comp_sci/1364
				SC.912.PE.4.7:	Use internal documentation to collaboratively design a program according to accepted standards.	1	180-181	https://wgdesigngroup.com/Pearson/fund_comp_sci/180
					Use internal documentation to collaboratively design a program according to accepted standards.	1	350-351	https://wgdesigngroup.com/Pearson/fund_comp_sci/350
					Use internal documentation to collaboratively design a program according to accepted standards.	1	488-489	https://wgdesigngroup.com/Pearson/fund_comp_sci/488
				SC.912.PE.4.8:	Create mobile computing applications and/or dynamic web pages using a variety of design and development tools, programming languages and mobile devices/emulators.	1	1173-1174	https://wgdesigngroup.com/Pearson/fund_comp_sci/1173
					Create mobile computing applications and/or dynamic web pages using a variety of design and development tools, programming languages and mobile devices/emulators.	1	1187-1188	https://wgdesigngroup.com/Pearson/fund_comp_sci/1187
					Create mobile computing applications and/or dynamic web pages using a variety of design and development tools, programming languages and mobile devices/emulators.	1	1206-1217	https://wgdesigngroup.com/Pearson/fund_comp_sci/1206

			Standard	Benchmark	Description		Page	Link
			SC.912.TI.1.1:	Analyze historical trends in hardware and software.	1	10-13	https://wgdesigngroup.com/Pearson/fund_comp_sci/10
				Analyze historical trends in hardware and software.	1	1198-1199	https://wgdesigngroup.com/Pearson/fund_comp_sci/1198
				Analyze historical trends in hardware and software.	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
			SC.912.TI.1.2:	Identify ways to use technology to support lifelong learning.	2	66-67	https://wgdesigngroup.com/Pearson/fund_comp_sci2/66
				Identify ways to use technology to support lifelong learning.	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
				Identify ways to use technology to support lifelong learning.	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
			SC.912.TI.1.3:	Analyze the impact of digital media.	1	74	https://wgdesigngroup.com/Pearson/fund_comp_sci/74
				Analyze the impact of digital media.	1	1238-1241	https://wgdesigngroup.com/Pearson/fund_comp_sci/1238
				Analyze the impact of digital media.	1	1249	https://wgdesigngroup.com/Pearson/fund_comp_sci/1249
			SC.912.TI.1.4:	Analyze the impact of digital media on culture and persona.	1	52-53	https://wgdesigngroup.com/Pearson/fund_comp_sci/52
				Analyze the impact of digital media on culture and persona.	1	84-87	https://wgdesigngroup.com/Pearson/fund_comp_sci/84
				Analyze the impact of digital media on culture and persona.	1	93-94	https://wgdesigngroup.com/Pearson/fund_comp_sci/93
			SC.912.TI.1.5:	Describe the impact of computing on business and commerce.	1	24-25	https://wgdesigngroup.com/Pearson/fund_comp_sci/24
				Describe the impact of computing on business and commerce.	1	28-29	https://wgdesigngroup.com/Pearson/fund_comp_sci/28
				Describe the impact of computing on business and commerce.	1	402-403	https://wgdesigngroup.com/Pearson/fund_comp_sci/402
			SC.912.TI.1.6:	Describe how technology impacts personal life.	1	50-53	https://wgdesigngroup.com/Pearson/fund_comp_sci/50
				Describe how technology impacts personal life.	1	57	https://wgdesigngroup.com/Pearson/fund_comp_sci/57
				Describe how technology impacts personal life.	1	86-87	https://wgdesigngroup.com/Pearson/fund_comp_sci/86
		Standard 1: Assess the impact of technological advancements	SC.912.TI.1.7:	Evaluate ways in which technology may improve accessibility for the varying needs of learners, including students with disabilities (SWD).	1	376-377	https://wgdesigngroup.com/Pearson/fund_comp_sci/376
				Evaluate ways in which technology may improve accessibility for the varying needs of learners, including students with disabilities (SWD).	1	1122-1123	https://wgdesigngroup.com/Pearson/fund_comp_sci/1122
				Evaluate ways in which technology may improve accessibility for the varying needs of learners, including students with disabilities (SWD).	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
			SC.912.TI.1.8:	Explain how economic and societal factors are affected by access to critical information.	1	78	https://wgdesigngroup.com/Pearson/fund_comp_sci/78
				Explain how economic and societal factors are affected by access to critical information.	1	118-121	https://wgdesigngroup.com/Pearson/fund_comp_sci/118
				Explain how economic and societal factors are affected by access to critical information.	1	124-125	https://wgdesigngroup.com/Pearson/fund_comp_sci/124
			SC.912.TI.1.9:	Evaluate access and distribution of technology in a global society.	1	82-83	https://wgdesigngroup.com/Pearson/fund_comp_sci/82
				Evaluate access and distribution of technology in a global society.	1	124-125	https://wgdesigngroup.com/Pearson/fund_comp_sci/124
				Evaluate access and distribution of technology in a global society.	1	230-231	https://wgdesigngroup.com/Pearson/fund_comp_sci/230
			SC.912.TI.1.10:	Analyze technology-related career paths.	1	16-19	https://wgdesigngroup.com/Pearson/fund_comp_sci/16
				Analyze technology-related career paths.	1	22-23	https://wgdesigngroup.com/Pearson/fund_comp_sci/22
				Analyze technology-related career paths.	1	28-29	https://wgdesigngroup.com/Pearson/fund_comp_sci/28
			SC.912.TI.1.11:	Evaluate the benefits of technology regarding environmental concerns.	1	124-127	https://wgdesigngroup.com/Pearson/fund_comp_sci/124
				Evaluate the benefits of technology regarding environmental concerns.	1	1190-1191	https://wgdesigngroup.com/Pearson/fund_comp_sci/1190
				Evaluate the benefits of technology regarding environmental concerns.	1	1450-1453	https://wgdesigngroup.com/Pearson/fund_comp_sci/1450
			SC.912.TI.1.12:	Examine the history of networking devices.	2	208-209	https://wgdesigngroup.com/Pearson/fund_comp_sci2/208

				Examine the history of networking devices.	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
				Examine the history of networking devices.	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
			SC.912.TI.1.13:	Examine the historical impact of social media.	2	2054-2055	https://wgdesigngroup.com/Pearson/fund_comp_sci2/2054
				Examine the historical impact of social media.	2	2030-2031	https://wgdesigngroup.com/Pearson/fund_comp_sci2/2030
				Examine the historical impact of social media.	2	930-931	https://wgdesigngroup.com/Pearson/fund_comp_sci2/930
		Strand SC.912.TI: Technological Impact	SC.912.TI.2.1:	Research how social media and technology can be used to distort, exaggerate or misrepresent information.	1	75-83	https://wgdesigngroup.com/Pearson/fund_comp_sci/75
				Research how social media and technology can be used to distort, exaggerate or misrepresent information.	1	118-119	https://wgdesigngroup.com/Pearson/fund_comp_sci/118
				Research how social media and technology can be used to distort, exaggerate or misrepresent information.	1	1238-1240	https://wgdesigngroup.com/Pearson/fund_comp_sci/1238
			SC.912.TI.2.2:	Demonstrate knowledge of the Internet safety policy as it applies to state and district guidelines.	1	1233-1246	https://wgdesigngroup.com/Pearson/fund_comp_sci/1233
				Demonstrate knowledge of the Internet safety policy as it applies to state and district guidelines.	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
				Demonstrate knowledge of the Internet safety policy as it applies to state and district guidelines.	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
			SC.912.TI.2.3:	Recognize the terms and policies associated with the use of public access points.	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
				Recognize the terms and policies associated with the use of public access points.	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
				Recognize the terms and policies associated with the use of public access points.	1	NA	https://wgdesigngroup.com/Pearson/fund_comp_sci/
			SC.912.TI.2.4:	Explore the legal ramifications of technology use.	1	78-79	https://wgdesigngroup.com/Pearson/fund_comp_sci/78
				Explore the legal ramifications of technology use.	1	124-125	https://wgdesigngroup.com/Pearson/fund_comp_sci/124
				Explore the legal ramifications of technology use.	1	1244-1245	https://wgdesigngroup.com/Pearson/fund_comp_sci/1244
			SC.912.TI.2.5:	Describe and model the legal use of modern communication media and devices.	1	78-79	https://wgdesigngroup.com/Pearson/fund_comp_sci/78
		Standard 2: Research and apply the use of tools for regulatory compliance.		Describe and model the legal use of modern communication media and devices.	1	124-125	https://wgdesigngroup.com/Pearson/fund_comp_sci/124
				Describe and model the legal use of modern communication media and devices.	1	1244-1245	https://wgdesigngroup.com/Pearson/fund_comp_sci/1244
			SC.912.TI.2.6:	Evaluate the impacts of the irresponsible use of information on collaborative projects.	1	82-83	https://wgdesigngroup.com/Pearson/fund_comp_sci/82
				Evaluate the impacts of the irresponsible use of information on collaborative projects.	1	160-161	https://wgdesigngroup.com/Pearson/fund_comp_sci/160
				Evaluate the impacts of the irresponsible use of information on collaborative projects.	1	52-53	https://wgdesigngroup.com/Pearson/fund_comp_sci/52
			SC.912.TI.2.7:	Describe differences between open source, freeware and proprietary software licenses and how they apply to different types of software.	1	76-77	https://wgdesigngroup.com/Pearson/fund_comp_sci/76
				Describe differences between open source, freeware and proprietary software licenses and how they apply to different types of software.	1	110-111	https://wgdesigngroup.com/Pearson/fund_comp_sci/110
				Describe differences between open source, freeware and proprietary software licenses and how they apply to different types of software.	1	126-127	https://wgdesigngroup.com/Pearson/fund_comp_sci/126
			SC.912.TI.2.8:	Evaluate the consequences of misrepresenting digital work as your own.	1	78-79	https://wgdesigngroup.com/Pearson/fund_comp_sci/79
				Evaluate the consequences of misrepresenting digital work as your own.	1	118-119	https://wgdesigngroup.com/Pearson/fund_comp_sci/118
				Evaluate the consequences of misrepresenting digital work as your own.	1	124-125	https://wgdesigngroup.com/Pearson/fund_comp_sci/124
			SC.912.TI.2.9:	Analyze how different categories of software licenses can be used to share and protect intellectual property.	1	78-79	https://wgdesigngroup.com/Pearson/fund_comp_sci/78

						Analyze how different categories of software licenses can be used to share and protect intellectual property.	1	52-53	https://wgdesigngroup.com/Pearson/fund_comp_sci/52
						Analyze how different categories of software licenses can be used to share and protect intellectual property.	1	126-127	https://wgdesigngroup.com/Pearson/fund_comp_sci/126
					SC.912.TI.2.10:	Analyze how access to information may not include the right to distribute the information.	2	2030-2033	https://wgdesigngroup.com/Pearson/fund_comp_sci2/2030
						Analyze how access to information may not include the right to distribute the information.	2	2046-2047	https://wgdesigngroup.com/Pearson/fund_comp_sci2/2046
						Analyze how access to information may not include the right to distribute the information.	2	262-263	https://wgdesigngroup.com/Pearson/fund_comp_sci2/262
					SC.912.TI.2.11:	Utilize citation tools when using digital information.	1	52-53	https://wgdesigngroup.com/Pearson/fund_comp_sci/52
						Utilize citation tools when using digital information.	1	78-79	https://wgdesigngroup.com/Pearson/fund_comp_sci/79
						Utilize citation tools when using digital information.	1	124-125	https://wgdesigngroup.com/Pearson/fund_comp_sci/124
					SC.912.TI.2.12:	Describe legal regulations that govern Internet usage and interaction.	1	52-53	https://wgdesigngroup.com/Pearson/fund_comp_sci/52
						Describe legal regulations that govern Internet usage and interaction.	1	78-79	https://wgdesigngroup.com/Pearson/fund_comp_sci/79
						Describe legal regulations that govern Internet usage and interaction.	1	124-125	https://wgdesigngroup.com/Pearson/fund_comp_sci/124