

Curriculum for Excellence (Technologies and Computing Science NQs)

		Early	Level 1	Level 2	Level 3	Level 4/Nat 4	Nat 5	Higher	Advanced Higher
Exploring <i>Navigating the Web</i>	Navigation	<i>TCH 0-03a</i>	<i>TCH 1-03b</i>			<i>ISDD: Structures and Links</i>	<i>ISDD: Technical Implementation: device type</i>		
	Web Mechanics					<i>ISDD: Structures and Links</i>	<i>ISDD: Structures and Links ISDD: Technical implementation (networking/connectivity)</i>	<i>ISDD: Structures and links (dynamic web page, database-driven website) ISDD: Coding (Client-side scripting, Server-side scripting)</i>	
	Credibility					<i>TCH 4-03b</i>		<i>ISDD: Technical implementation (hardware and software requirements): Software considerations (proprietary versus open source)</i>	
	Search			<i>TCH 2-03b</i>		<i>TCH 4-03b</i>	<i>SDD: Computational constructs</i>	<i>ISDD: Economic and social impact</i>	
	Security				<i>TCH 3-08a</i>	<i>TCH 4-08b</i>	<i>ISDD: Security risks, Security precautions</i>	<i>ISDD: Economic and social impact ISDD: Security precautions</i>	

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Building <i>Creating for the Web</i>	Composing for the Web		<i>TCH 1-04b</i>	<i>TCH 2-04b</i>	<i>TCH 3-09a</i>	<i>TCH 4-09b</i> <i>ISDD (Media types)</i>			
	Remixing				<i>TCH 3-08b</i>	<i>TCH 4-08c</i>			
	HTML				<i>TCH 3-09a</i>		<i>ISDD: Coding (Markup languages including HTML)</i>	<i>ISDD: Structures and Links: stylesheets, CSS</i>	
	CSS							<i>ISDD: Structures and Links: stylesheets, CSS</i>	
	Design & accessibility					<i>ISDD: User interface (Target Audience)</i>	<i>ISDD: User interface (User requirements)</i>	<i>ISDD: User interface (Usability, Accessibility, Optimisation)</i>	
	Coding/Scripting			<i>TCH 2-09a</i>	<i>TCH 3-09a</i>	<i>TCH 4-09a</i> <i>ISDD: Coding</i> <i>SDD: Computational Constructs</i>	<i>ISDD: Coding (Scripting languages: including JavaScript)</i> <i>SDD: Computational Constructs</i>	<i>ISDD: Structures and links (dynamic web page, database-driven website)</i> <i>ISDD: Coding (Client-side scripting, Server-side scripting)</i> <i>SDD: Computational Constructs</i>	
	Infrastructure						<i>ISDD: Technical implementation (networking/ connectivity)</i>	<i>ISDD: Technical implementation (networking/ connectivity): Cloud systems and server provision:</i> <ul style="list-style-type: none"> <i>public, private, hybrid</i> <i>cloud-based services</i> <i>web hosting</i> 	

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Connecting <i>Participating on the Web</i>	Sharing & Collaborating		<i>TCH 1-08a</i>	<i>TCH 2-08a</i>	<i>TCH 3-08a</i>	<i>TCH 4-08c</i>	<i>ISDD: Technical implementation (networking/connectivity)</i>	<i>ISDD: Technical implementation (networking/connectivity): Cloud systems and server provision:</i> <ul style="list-style-type: none"> <i>public, private, hybrid</i> <i>cloud-based services web hosting</i> 	<i>ISDD: Project planning and management (Project Planning Tools)</i>
	Community participation		<i>TCH 1-08a</i>	<i>TCH 2-08a</i>		<i>TCH 4-08c</i>		<i>ISDD: Economic and social impact</i>	<i>ISDD: Legal and ethical implications</i>
	Privacy					<i>TCH 4-08a</i>	<i>ISDD: Security risks, Security precautions</i>	<i>ISDD: Security precautions (Encryption, Digital certificates and signatures)</i> <i>ISDD: Technical implementation (hardware/software): device type</i>	<i>ISDD: Legal and ethical implications</i>
	Open practices							<i>ISDD: Technical implementation (hardware and software requirements): Software requirements (proprietary versus open source)</i>	<i>ISDD: Legal and ethical implications</i>