



# Learning Upgrade® Digital Literacy Alignment

## DQ® Framework IEEE 3527.1 Standards Version: Oct 2020

Digital Citizenship		
Standard	Description	Digital Literacy Lessons
1	<b>Digital Citizen Identity</b> The ability to build and manage a healthy identity as a digital citizen with integrity.	<b>35 Digital Identity</b>
2	<b>Balanced Use of Technology</b> The ability to manage one's life both online and offline in a balanced way by exercising self-control to manage screen time, multitasking, and one's engagement with digital media and devices.	<b>44 Health Protection</b>
3	<b>Behavioural Cyber-Risk Management</b> The ability to identify, mitigate, and manage cyber risks (e.g., cyberbullying, harassment, and stalking) that relate to personal online behaviors.	<b>45 Cyberbullying</b>
4	<b>Personal Cyber Security Management</b> The ability to detect cyber threats (e.g., hacking, scams, and malware) against personal data and device, and to use suitable security strategies and protection tools.	<b>42 Online Scams</b> <b>46 Protect Personal Info</b>
5	<b>Digital Empathy</b> The ability to be aware of, be sensitive to, and be supportive of one's own and other's feelings, needs and concerns online.	<b>36 Net Etiquette</b> <b>50 Social Awareness</b>
6	<b>Digital Footprint Management</b> The ability to understand the nature of digital footprints and their real-life consequences, to manage them responsibly, and to actively build a positive digital reputation.	<b>35 Digital Identity</b> <b>38 Online Relationships</b>
7	<b>Media and Information Literacy</b> The ability to find, organize, analyze, and evaluate media and information with critical reasoning.	<b>5 Apps Stores Programs</b> <b>6 Search Browse</b> <b>7 Trust Validity</b> <b>8 Cloud vs Local</b> <b>9 Content Types</b> <b>10 Share vs Send</b> <b>11 Data Storage</b> <b>12 Data organization</b> <b>13 File Types</b> <b>14 Filtering</b> <b>51 News Sources</b>
8	<b>Privacy Management</b> The ability to handle with discretion all personal information shared online to protect one's and others' privacy.	<b>46 Protect Personal Info</b> <b>47 Privacy Laws</b>



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Digital Creativity		
Standard	Description	Digital Literacy Lessons
9	<b>Digital Co-Creator Identity</b> The ability to identify and develop oneself as a co-creator of the digital ecosystem.	23 Design Process 24 Coding Programming 25 Website Creation
10	<b>Healthy Use of Technology</b> The ability to understand the benefits and harms of technology on one's mental and physical health and to use technology use while prioritizing health and well-being.	44 Health Protection
11	<b>Content Cyber-Risk Management</b> The ability to identify, mitigate, and manage content cyber risks online (e.g., harmful user generated content, racist/hateful content, image-based abuse).	40 Content Protection 43 Dealing with Strangers 45 Cyberbullying
12	<b>Network Security Management</b> The ability to detect, avoid, and manage cyber-threats to cloud-based collaborative digital environments.	41 Passwords 42 Online Scams
13	<b>Self-Awareness and Management</b> The ability to recognize and manage how one's value system and digital competencies fits with one's digital environment.	35 Digital Identity 50 Social Awareness
14	<b>Online Communication and Collaboration</b> The ability to use technology effectively to communicate and collaborate collectively, including at a distance.	28 Email 29 Text Message 30 Direct Message 31 Social Media Post 32 Hashtags and Handles 33 Chat Rooms 34 Video Conference 36 Net Etiquette 37 Collaboration 38 Online Relationships
15	<b>Content Creation and Computational Literacy</b> The ability to synthesise, create, and produce information, media, and technology in an innovative and creative manner.	15 Text Creation 16 Numbers Creation 17 Photo Creation 18 Graphic Creation 19 Documents 20 Audio Creation 21 Video Creation 22 Game Creation 23 Design Process 24 Coding Programming 25 Website Creation
16	<b>Intellectual Property Rights Management</b> The ability to understand and manage intellectual property rights (e.g., copyrights, trademarks, and patents) when using and creating content and technology.	26 Copyright Fair Use 27 Open Resources



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Digital Competitiveness		
Standard	Description	Digital Literacy Lessons
17	<b>Digital Changemaker Identity</b> The ability to identify and develop oneself as a competent changemaker in the digital economy.	<b>48 Advocacy</b> <b>52 Digital Economy</b>
18	<b>Civic Use of Technology</b> The ability to engage in civic participation for the well-being and growth of local, national, and global communities using technology.	<b>49 Engagement</b> <b>50 Social Awareness</b> <b>53 Global Citizenship</b>
19	<b>Commercial and Community Cyber-Risk Management</b> The ability to understand, mitigate, and manage commercial or community cyber-risks online, which is an organisational attempt to exploit individuals financially and/or through ideological persuasion (e.g., embedded marketing, online propaganda, and gambling).	<b>7 Trust Validity</b> <b>42 Online Scams</b> <b>51 News Sources</b>
20	<b>Organisational Cyber Security Management</b> The ability to recognise, plan, and implement organisational cyber security defences.	
21	<b>Relationship Management</b> The ability to skilfully manage one's online relationships through collaboration, conflict management, and persuasion.	<b>36 Net Etiquette</b> <b>37 Collaboration</b> <b>38 Online Relationships</b>
22	<b>Public and Mass Communication</b> The ability to communicate with an online audience effectively to exchange messages, ideas, and opinions reflecting wider business or societal discourses.	<b>50 Social Awareness</b> <b>53 Global Citizenship</b>
23	<b>Data and AI Literacy</b> The ability to generate, process, analyze, present meaningful information from data and develop, use, and apply artificial intelligence (AI) and related algorithmic tools and strategies in order to guide informed, optimized, and contextually relevant decision-making processes.	<b>11 Data Storage</b> <b>12 Data organization</b> <b>13 File Types</b> <b>14 Filtering</b> <b>54 Artificial Intelligence</b>
24	<b>Participatory Rights Management</b> The ability to understand and exercise one's powers and right to online participation (e.g., their rights to personal data protection, freedom of expression, or to be forgotten).	<b>46 Protect Personal Info</b> <b>47 Privacy Laws</b>