



CSER's 30-Day Digital Technologies Challenge!



<p>Rules: You must use your creativity, best problem- solving skills and have fun! Complete activities in any order. <i>Ready, set, GO!</i></p>		<p>1 Robot chef! Find a simple recipe. Give instructions for a family member to follow exactly as you say! </p>	<p>2 You are a pirate! Create a treasure map with instructions on how to find your hidden treasure.</p>	<p>3 How many creatures can you see and record from your backyard in 15 minutes? Find a way to present your data!</p>	<p>4 Play "I-spy" Digital Technologies with someone! Can they guess what you see using the first letter of the word? </p>	<p>5 Be a Computer Vision AI machine. Have someone draw an animal. Can you guess it before they finish? Your turn next!</p>
<p>6 Play "Follow the Leader" around your house or backyard! Can you follow their lead using only verbal instructions?</p>	<p>7 Build something with LEGO or blocks/crafts. Verbally explain to someone how to create it! Does it look the same? </p>	<p>8 Alphabet Digital Tech! Can you think of a word for every letter of the alphabet related to Technology?</p>	<p>9 Design and make a creative poster that teaches your family about online safety rules! </p>	<p>10 You are a Spaceship Designer for the Australian Space Agency! Design the next spaceship that will travel to Mars!</p>	<p>11 Find out what a "Rube Goldberg" machine is. Can you build one using objects and recycled material you find at home?</p>	<p>12 Draw a design on paper of what you think a future communication device will be in 50 years! Can you make it with craft?</p>
<p>13 Interview an older family member to find out what Technologies they used when they were your age...</p>	<p>14 Using toys, storybooks or food. How many different ways can you organise them into groups? Can you think of 3 ways?</p>	<p>15 Pick a number from 1-9. How many different ways can you represent that number? You can draw or use objects around you!</p>	<p>16 Blindfold a family member. Can you verbally give instructions to safely move from one spot in a room to another? Switch!</p>	<p>17 Create a "Where's Wally" style artwork. Hide 5 technologies for someone else to find. How long did it take them?</p>	<p>18 Create a story where a character has to make a decision. Share it with a family member! </p>	<p>19 Algorithm game! On a 10x10 grid have someone move a toy between 2 points using only a sequence of arrows you draw. Add obstacles!</p>
<p>20 Play "Simon Says" with your family or friends! Who is the best at following the instructions?!</p>	<p>21 "What Am I?" Think of 3 technologies. Write a description of what they are and how they are used for someone to guess!</p>	<p>22 Watch a TV show. Keep a tally of how many technologies you see! Compare your answer with someone!</p>	<p>23 Recycle-o-matic Machine! You are to design a new high-tech recycling machine  to sort rubbish. How does it work?</p>	<p>24 Food flowchart! Can you draw a flowchart for making a drink or your favourite food? Share with someone to follow!</p>	<p>25 Create your own "concentration/ match card game cards of digital technologies. Play the game to find the pairs.</p>	<p>26 What language would you like to learn? Be an AI Machine! Find and translate words: "Hello, friends!" Write a message for someone to translate. </p>
<p>27 Play a board game or card game. It is your role to be the banker or keep track of the score!</p>	<p>28 Design and draw a robot to work for you! What is its name? What are its features? What does it do? How does it work?</p>	<p>29 Find a problem that you would like to solve in your home. Is it recycling? Water use? Come up with an idea to solve it! </p>	<p>30 Create an animation using Scratch or ScratchJR that shows your evening routine! Draw your story if you don't have a device. </p>	<p>What was your FAVOURITE day?! Can you come up with your own challenge?</p>		