



- Either side may start the game. Play is then determined by the winner of prior rounds.
- The starting player has up to three throws but can stop after one or two if preferred. *The second player is then limited to that number of throws.*
- All dice are thrown on the first throw. Players can then choose which to keep or throw again, continuing until they decide to stop or reach the maximum throws.
- To win, players need to throw *more* defence dice than the corresponding attack (or vice versa) – e.g. if 2 *Malware* dice are thrown then defenders need 3+ of other relevant dice to defend.
- If a *matching* number of attack/defence dice are thrown (e.g. 3 *Malware* and 3 *Backup*), then the round is a draw (no point scored).

Attacker Dice

	Hackers Attackers gaining (or attempting to gain) unauthorized access to systems and data, often via exploiting technical vulnerabilities.		Phishing Use of social engineering techniques to trick unsuspecting users into sharing sensitive information or access credentials.
	Malware Malicious software that may corrupt or steal data, damage systems, and varyingly compromise confidentiality, integrity and availability. Includes ransomware, spyware and viruses.		Denial of Service Attack An attack against availability, preventing systems and data from being accessible by authorised users.
	Accidental Breach Breaches caused by errors, mistakes and other unintentional actions by legitimate users.		Zero Day Attack Exploitation of a previously unknown vulnerability. Bypasses all but <i>Holistic Security</i>

Defender Dice

	System and App Updates Ensuring that your systems are patched against known security vulnerabilities. <u>Combats:</u> <i>Hackers and Malware</i>		Secure Configuration Ensuring that your protection is set up correctly. <u>Combats:</u> <i>Accidents, Malware, Hackers and Phishing</i>
	Staff Awareness and Training Ensuring that users know what to do to identify threats, maintain security, and prevent mistakes. <u>Combats:</u> <i>Accidents, Malware and Phishing</i>		Internet Security Ensuring that users know what to do to identify threats, maintain security, and prevent mistakes. <u>Combats:</u> <i>DoS, Malware, Hackers and Phishing</i>
	Backup Ensuring a safe copy of your system and data files. <u>Combats:</u> <i>Accidents, Malware and Hackers</i>		Holistic Cybersecurity Attention to security across multiple perspectives, enabling holistic protection and defence-in-depth. <u>Combats:</u> <i>All threats, including Zero Day Attacks</i>

Does it defend against the attack?

	✓	✓	✓	✓	✓	✓
	✓	✗	✓	✓	✓	✓
	✗	✓	✓	✓	✗	✓
	✗	✓	✗	✓	✓	✓
	✗	✗	✗	✗	✓	✓
	✗	✗	✗	✗	✗	✓
Zero Day Attacks can be defeated by throwing a full set of individual controls (i.e. <i>Backup, Configuration, Updates, Internet Security, and Staff Awareness</i>)						
Holistic Cyber Security can be attacked by a throwing a full set of non-Zero Day attacks (i.e. <i>Malware, Hackers, Phishing, Accidental Breach, and DoS</i>)						