

NCSC - Cyber Security for Schools

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Charities**

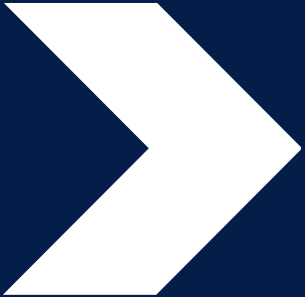


**“To make the UK the safest
place to live and work online”**



What is cyber security?

Cyber security is how **individuals** and **organisations** reduce the risk of cyber attack.



- Protect the **devices** we all use
- Protect the **services** we access from theft or damage
- **Preventing unauthorised access** to personal information we store on these devices, and online

Cyber Security Schools Audit 2022

Key Aims

- To provide the sector with the latest **cyber posture** of UK schools
- **To identify trends** on school cyber security and resilience
- The report can also be seen as a **guidance piece**

Key Results

- 805 schools responded from across all 4 UK nations
- 53% felt prepared for a cyber attack up from 49% in 2019
- 78% of schools have experienced some kind of security incident
- 55% of schools stated that their staff had received cybersecurity training, up from 35% in 2019
- 46% of schools now aware of NCSC's free cyber security training for school staff.
- 49% of schools now have planning documentation in place for a cyber breach or attack.



School Cyber Threats Actors



▼
**Cyber
criminals**

- Usually for financial gain
- Recent ransomware attacks on schools
- Can steal money by other means



▼
**Nation
States**

- No evidence of direct targeting
- Wanncry affected NHS and schools
- Untargeted threats can affect schools



▼
Insider

- By staff or pupils, accidental or on purpose
- Overwhelmingly accidental
- Net result same

Why would they target my school?

- Schools hold lots of sensitive data that can be very valuable.
- Lots of financial transactions signed off by one person.
- May be seen as a soft target.
- Don't have dedicated security and fraud teams.
- IT may be older and therefore more vulnerable.

 **NCSC Key School Resources:**

Producing resources training and guidance:

- Cyber security in schools: **Practical tips** for everyone working in education.
- Cyber security **training** for school staff
- **Questions** for governing boards
- **Cyber Essentials**



ACD Services Overview (Active Cyber Defence)

- Web Check
- Mail Check
- Early Warning
- Exercise in a Box
- PDNS for Schools



The screenshot shows the 'Active Cyber Defence' website. The header is dark blue with the title 'Active Cyber Defence' in white. Below the header is a navigation bar with links for 'Introduction', 'Services', 'Sign in or register', 'Guidance & Resources', and 'Contact us'. The main content area is white and features a large 'Introduction' section. This section includes a paragraph about ACD's goal to reduce harm from commodity cyber attacks, a photograph of a laptop and smartphone on a desk, and a 'Active Cyber Defence feed' with several news items dated from 2017 to 2022. The news items include 'Scanning the internet for fun and profit', 'Early Warning: What's new, and what's in it for you', 'ACD the 5th Year: report now available to download', 'NCSC joins industry to offer unprecedented protection for public from scams', and 'NCSC significantly expands operations to protect UK from ransomware'.



NCSC Cyber Security for Schools Resources:



Cyber security in schools: questions for governors and trustees

Questions for the governing body and trustees to ask school leaders, to help improve a school's...

Information



10 steps to cyber security

Guidance on how organisations can protect themselves in cyberspace, including the 10 steps to...

Guidance



Cyber security training for school staff

A cyber security training package for school staff to help improve their school's cyber resilience.

Information



Small Business Guide: Cyber Security

How to improve your cyber security; affordable, practical advice for businesses.

Guidance



Helping school staff to work safely online

Download and print your own set of cyber security "practical tips" for schools

Blog Post • 26 Mar 2020



Small Business Guide: Response & Recovery

Guidance that helps small to medium sized organisations prepare their response to and plan their...

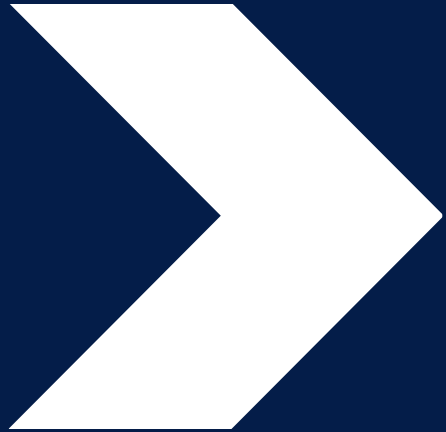
Guidance

Home learning technology: securing tools for remote education

Guidance to help schools provide secure remote learning tools for pupils, students and staff.



<https://www.ncsc.gov.uk/section/education-skills/cyber-security-schools>



Thank You

NCSC Cyber Security for Schools:

<https://www.ncsc.gov.uk/section/education-skills/cyber-security-schools>



National Cyber Security Centre



CyberHQ