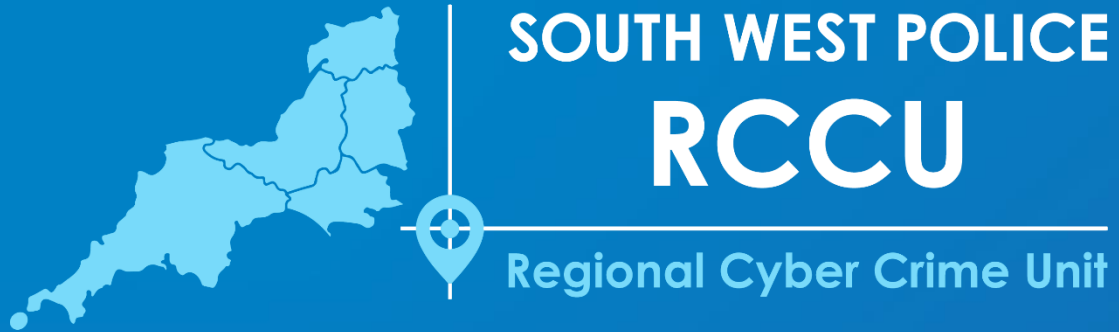


An Introduction to Cyber Prevent

Cyber Prevent & Protect

James Dennant

South West Cyber Prevent Prepare Protect officer



An Introduction to Cyber Prevent.

James D

SW Cyber Prevent Prepare Protect Officer

TEAM CYBER UK



National Cyber
Security Centre



NCA

National Crime Agency



SOUTH WEST POLICE
ROCU

Regional Organised Crime Unit



Prevent



Prepare



Protect



Pursue



***'My child is upstairs playing on
the computer where I know they
are safe'***

'Cyber Safeguarding'

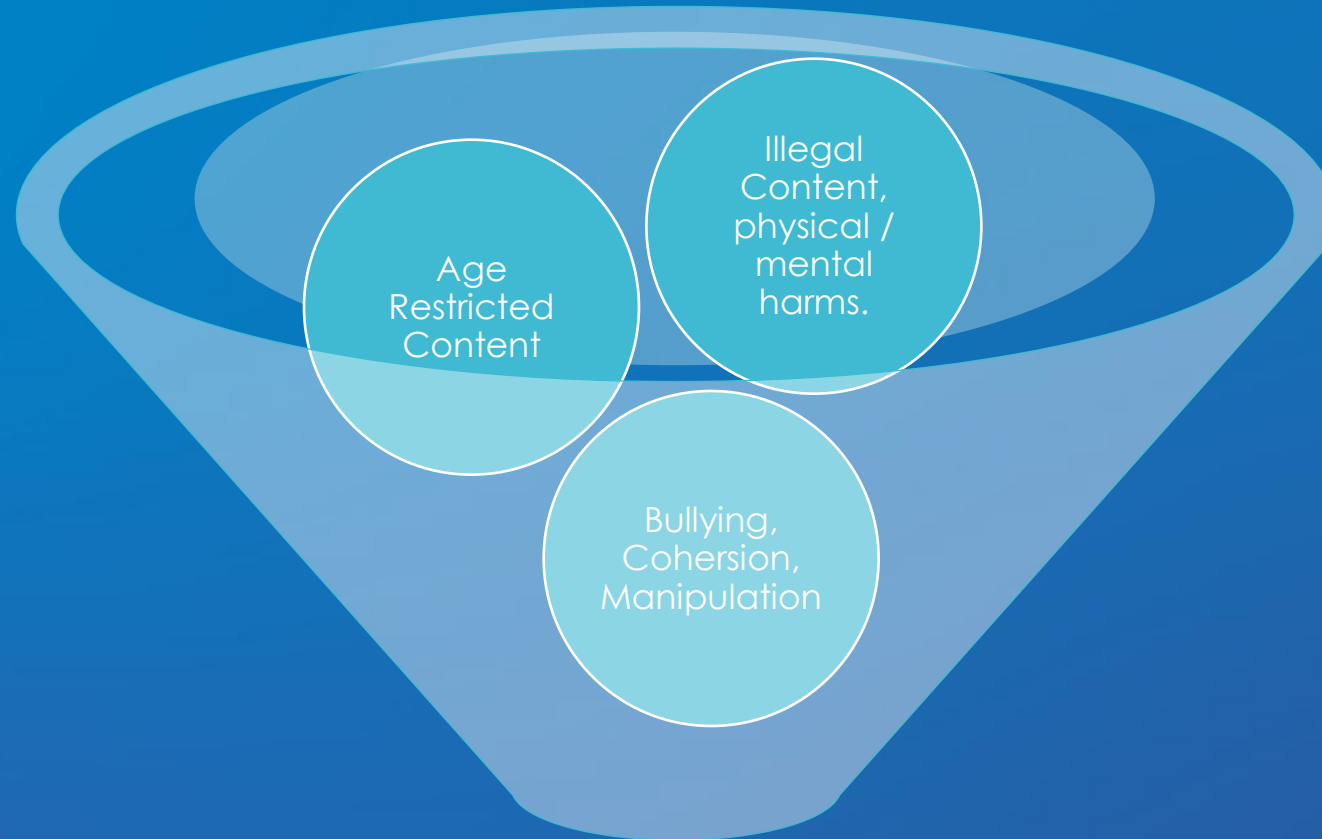
'E-Safety'

'Online-Safety'

'Digital-Safety'

'Internet-Safety'

'Cyber Safeguarding'



Accessible or achievable through devices

'Cyber Crime Types'

Enabled

Dependant

Cyber Bullying

Creation,
distribution of
Malware

Fraud

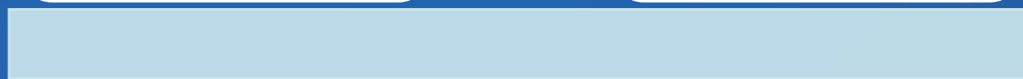
DoS / DDoS
attacks

Drug Dealing

Hacking

& more

Cyber
Prevent



'Cyber Choices: Case Study'



Aged 15

- Programmed own DDoS software

Aged 16

- Commercialised software
- Software developed over 110,000 users
- Software generated 1.7 million attacks


Aged 16-18

- Committed nearly 600 attacks against over 180 IP addresses

Aged 18

- Arrested
- Found with over £350,000 and nearly 250 Bitcoin
- Tried as Juvenile
- 24 months imprisonment

'Cyber Crime: Computer Misuse'



CREST

Identify, Intervene, Inspire
Helping young people to pursue careers
in cyber security, not cyber crime

NCA
National Crime Agency

The Computer Misuse Act 1990

Section 1

Unauthorised access to computer material.

Section 2

Unauthorised access with intent to commit or facilitate commission of further offences.

Section 3

Unauthorised acts with intent to impair, or with recklessness as to impairing, operation of computer.

Section 3ZA

Unauthorised acts causing, or creating risk of, serious damage.

Section 3A

Making, supplying or obtaining articles for use in offence under section 1, 3 or 3ZA.

'Cyber Crime: Computer Misuse'

Computer Misuse can facilitate many types of crime....

Computer Misuse Act 1990 (under review)

Communications Act 2003

Fraud Act 2006

Forgery and Counterfeiting Act 1981

Intellectual Property Act 2014

Registered Designs Act 1949

Misconduct in Public Office

Malicious Communications Act 1998

Data Protection Act 2018 (1998)

Data Protection Act (1998)

Video Recordings Act 2010

National Security Act 2023

And many more

'Cyber Crime: Gaming Pathway'



**UK Children
aged 3-15**



**57% play
games
online**

**UK Adults
aged 16+**



**38% play
games
online**

**UK
Households**



**39%
have at
least 1
games
console**

Computer Misuse Offences



37%
increase to
around
1.02 million
incidents

CMA-O Vs Individuals



42% increase
to around
883 thousand
=
Unauthorised
Access
incidents
(S1 CMA)

CMA-O Vs Population



Est 1 in 60, or
1.7% of
adults (16+)
in England &
Wales
experienced
at least 1
CM-I

Primary Schools



52%
*identified
a breach
or attack
in last
year*

Secondary Schools



71%
*identified
a breach
or attack
in last
year*

Further Education



86%
*identified
a breach
or attack
in last
year*

Higher Education



97%
*identified
a breach
or attack
in last
year*

‘Helping you choose the right and legal path.’

The Cyber Choices programme was created to help people make informed choices and to use their cyber skills in a legal way.

This is a national programme co-ordinated by the National Crime Agency and delivered by Cyber Choices teams within Regional Organised Crime Units and Local Police Force Cyber Teams.



CYBER CHOICES

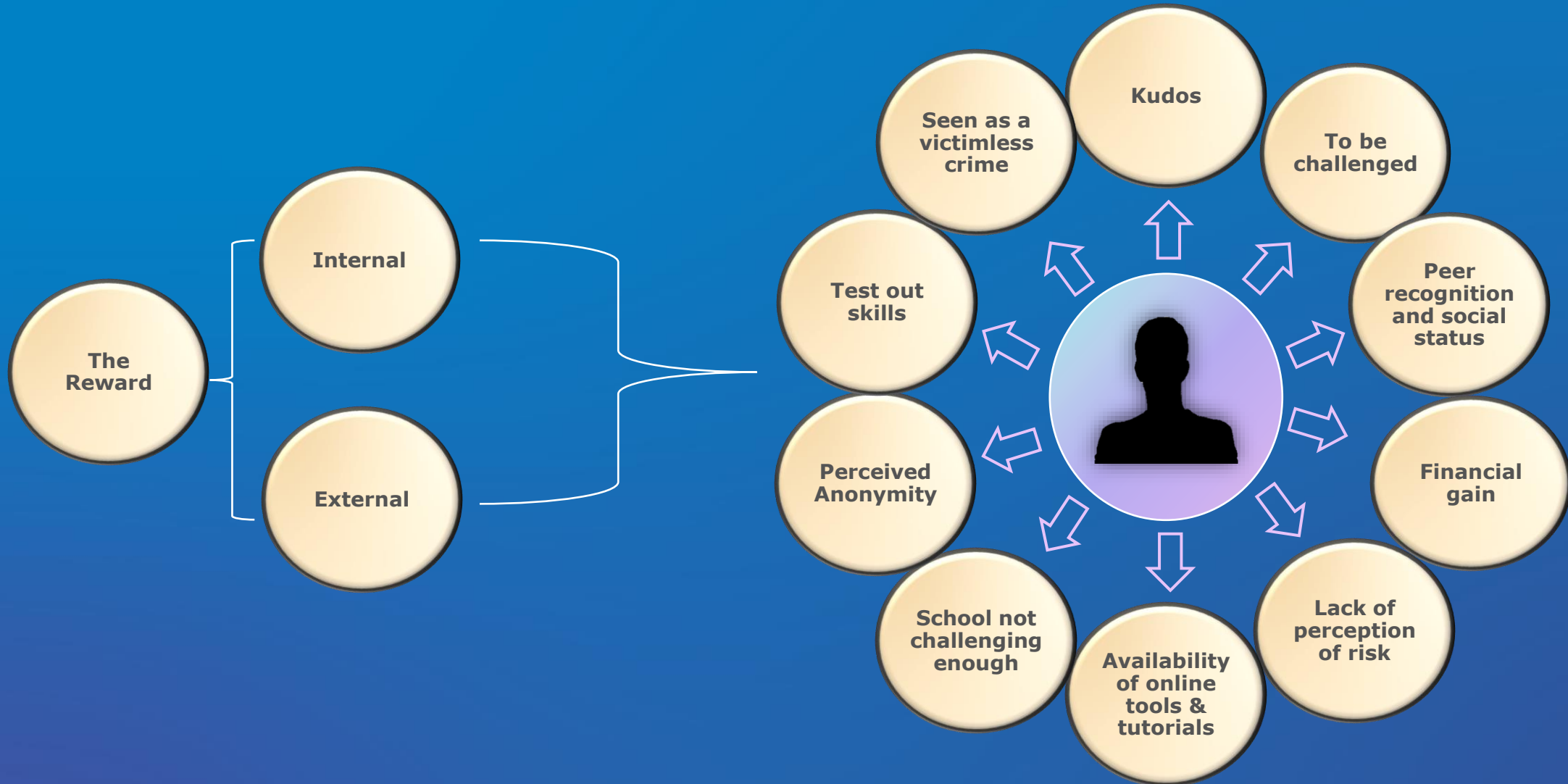
www.cyberchoices.uk

The aims of the programme are:

- Explaining the difference between legal and illegal cyber activity
- Encouraging individuals to make informed choices in their use of technology
- Increasing awareness of the Computer Misuse Act 1990
- Promoting positive, legal cyber opportunities

Delivered by Cyber Prevent Officers

'Cyber Crime: Motivations'



'Cyber Crime: Availability and Accessibility'

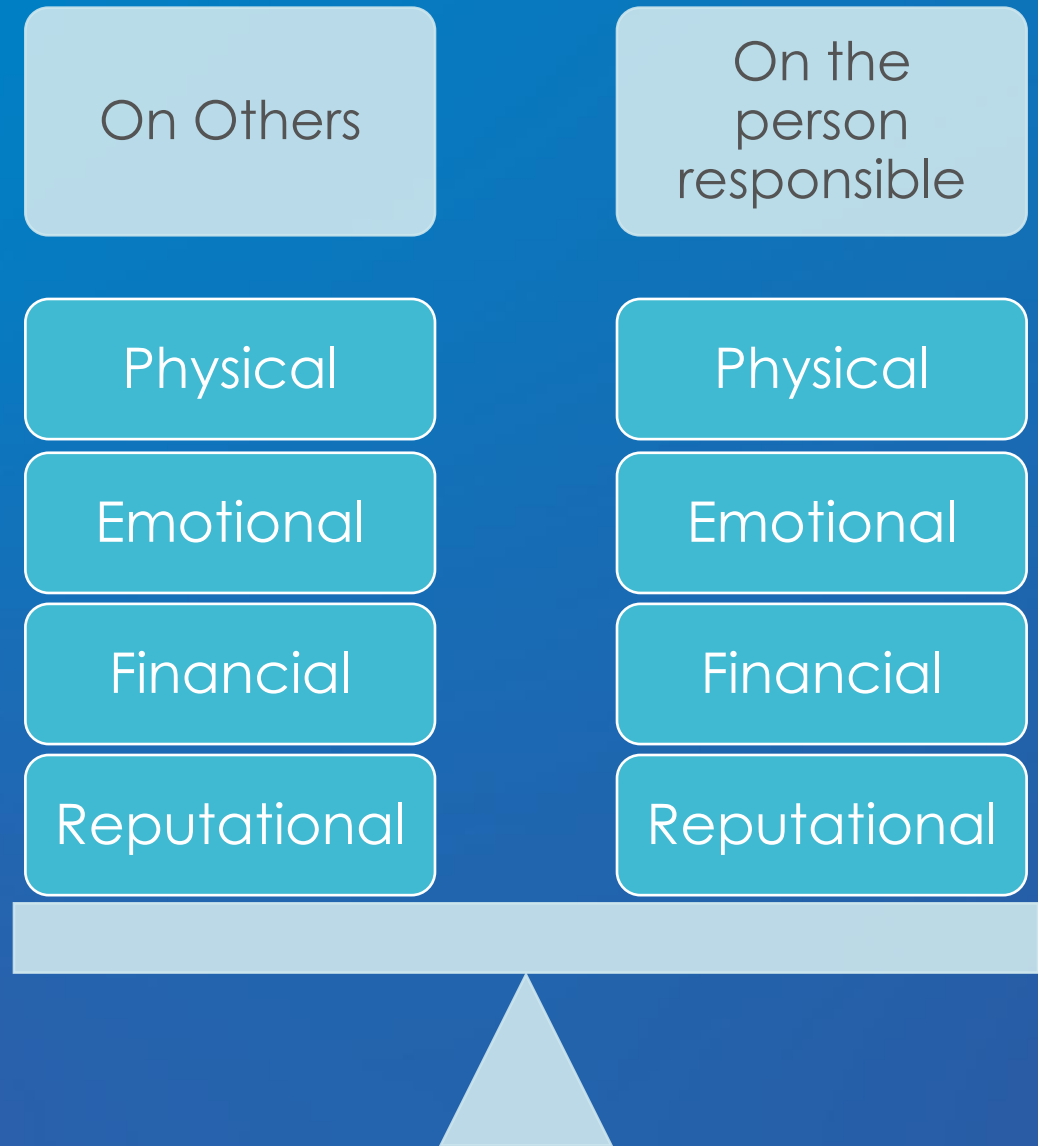
**Availability
of online
tools &
tutorials**

Hardware: Physical Equipment

Software: 'The Digital', Code, Scripts & Apps etc

Learning the craft: Educators, Resources & Forums

'Cyber Crime: Impact'



And any combination of the following..

'Cyber Crime: Impact'



Visit from
the Police



Devices
Seized



Banned or
limited
internet /
type of
device use



Expelled
from
School,
reduced
education
options



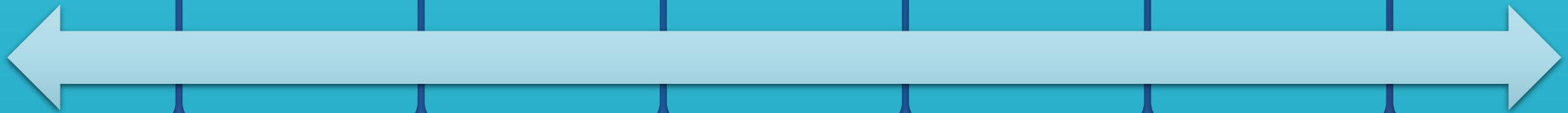
Travel Ban
(certain
countries)



Decreased
Job
prospects



Fines & or
Prison



'Cyber Choices: Where?'

Child
CENTRED POLICING

WHEN
TO CALL
THE POLICE

Guidance for schools & colleges

NPCC

Department
for Education

Keeping children
safe in education
2024

Statutory guidance for schools and
colleges

Part one: Information for all school
and college staff

September 2024

PSHE
ASSOCIATION

fearless
Part of Crimestoppers

'Cyber Choices: Resources'

Under
12

12 - 17

18+

Parents /
Guardians
/ Carers

Teachers /
Safeguarding
Staff



Helping you choose the right and legal path.

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Lesson plan | week 1

COMPUTER MISUSE ACT 1990

This lesson plan helps to educate pupils about what cyber crime is, the effects it has, and to introduce the Computer Misuse Act.




Consequences



Make no mistake, cyber crime is a serious criminal offence.

Anyone (including young people) who commits cyber crime could face:

- A visit and warning from police or NCA officers
- Computers being seized and being prevented from accessing the internet
- Being arrested
- A penalty or fine
- A permanent criminal record
- Seriously affected education and future career prospects
- Restrictions on overseas travel
- Up to life in prison for the most serious offences

So, if you want to increase your knowledge of cyber laws within the UK, make sure you're fully aware of the Computer Misuse Act:

 [Introduction to the Computer Misuse Act 1990 \(914 KB\)](#)



'Misconceptions'

Only a laptop or desktop computer can be used to hack.

You need to be technical.

Using a VPN is a 'red flag'.

My child is learning to code, isn't that illegal?

My child is upstairs playing on the computer where I know they are safe.

You have to go on the dark web to do this, and that alone is illegal.

Learning to Hack is against the law



**Common
Misconceptions**

'So you have Safeguarding Responsibilities?'

SOUTH WEST ROCU
Regional Organised Crime Unit

Cyber Choices Referral & Intervention – P001A FORM

Cyber Choices Referral Form – External

Referrals to the Cyber Choices team should be made about anyone who you are concerned about because:

- The persons use of technology concerns you (person may be thought of as non technical but has used or at risk of using tools which gives them capability. An example such as no perceived skills at hacking but can use a tool (physical or software) which has done/ can do the job for them.) or
- They have a high technical ability in computing and are vulnerable or at risk of cyber exploitation; or
- They are already on the cusp of cyber criminality.

Prior to submitting any personal data, please ensure that the individual you are referring is suitable per the above criteria and any additional guidance provided.

Any referrals submitted will be recorded on police systems and may be shared with partner agencies where proportionate and appropriate to do so in accordance with the privacy notice (linked at the end of this document). Law enforcement systems will be checked to ensure suitability for participation.

The Cyber Choices focus is on cyber-dependent crime (see www.cyberchoices.uk for a definition and examples of relevant behaviour). If your concerns are about other online issues such as sexting or cyber bullying, the Cyber Choices team are not the right support mechanism, and you should contact your local police via www.police.uk.

If you would like to refer more than one person, please complete a separate form for each person. However, the reason for making the referral only needs to be completed on one form provided all are sent together in a single email.

IMPORTANT! If any person is at immediate risk you MUST dial 999 and ask for Police.

Once complete, please email this form with a subject of 'Cyber Choices Referral' to:
swcyberprevent@avonandsomerset.police.uk

P001A - Referral Form
Version 1.1

OFFICIAL - SENSITIVE
(When completed)

Regardless of your setting, your professional capacity or the age of someone you may know of, if that person meets any of the following:

- Is using technology in a way as we described.
- Or you aren't sure but they are using technology and using it in a way that causes you to have concerns.
- If they are 'technical' or above average technical aptitude and show signs of exploitation or being at risk of exploitation.

Reach out to us first, we can help signpost or look at working with them at the earliest stage.

'Cyber Prevent: Referrals'



Referral
Received.



Suitability
Checks.



Accepted or
not onto Cyber
Choices.



Initial & Further
Engagement.

Voluntary Process

'Resources'



The Cyber Choices programme was created to help people make informed choices and to use their cyber skills in a legal way.

www.cyberchoices.uk



The National Crime Agency's CEOP Education team aim to help protect children and young people from online child sexual abuse.

www.ceopeducation.co.uk



Helpful information and guidance on a range of key online safety topics. Childnets mission is to make the internet a great and safe place for children

www.childnet.com



Amongst a variety of advice, CyberFirst has resources aimed at young people, see CyberFirst Navigators, interactive online security for 11-14yr olds

www.ncsc.gov.uk/collection/cyberfirstnavigators



Helping children and young people stay safe online, partnership of Childnet, IWF & SWGfL.

saferinternet.org.uk



Thank you

swcyberprevent@avonandsomerset.police.uk



Somerset Safeguarding
Children Partnership