



Damian Speare

Detective Sergeant
Technical Development Unit
Yorkshire & Humber Regional
Organised Crime Unit



Policing in the Digital Age...

Who am I.....



Police Officer for 20 years....

Career Detective

Father of Two (10 & 12 year old)

Geek / Gamer / Tech Lover....



Digitally Native

Social Media
Company



Creation Date

2004

2006

2011

2016



5 years
before born

3 years
before born

Age 2

Age 7



YORKSHIRE & HUMBER REGIONAL ORGANISED CRIME UNIT

Types of Digital Crime



- Online Harassment / Bullying
- Sexting
- "Revenge Porn"
- Blackmail
- CSAM
- Extremism – Radicalisation
- Cyber Crime & Fraud



Investigating Cyber Crime.....

Traditional Crime



Cyber Crime



YORKSHIRE & HUMBER REGIONAL ORGANISED CRIME UNIT

Digital Investigation

- All crime types
- All “reasonable” lines of enquiry
- Digital Forensics
- Victim Privacy
- CPS & Criminal Justice Delays

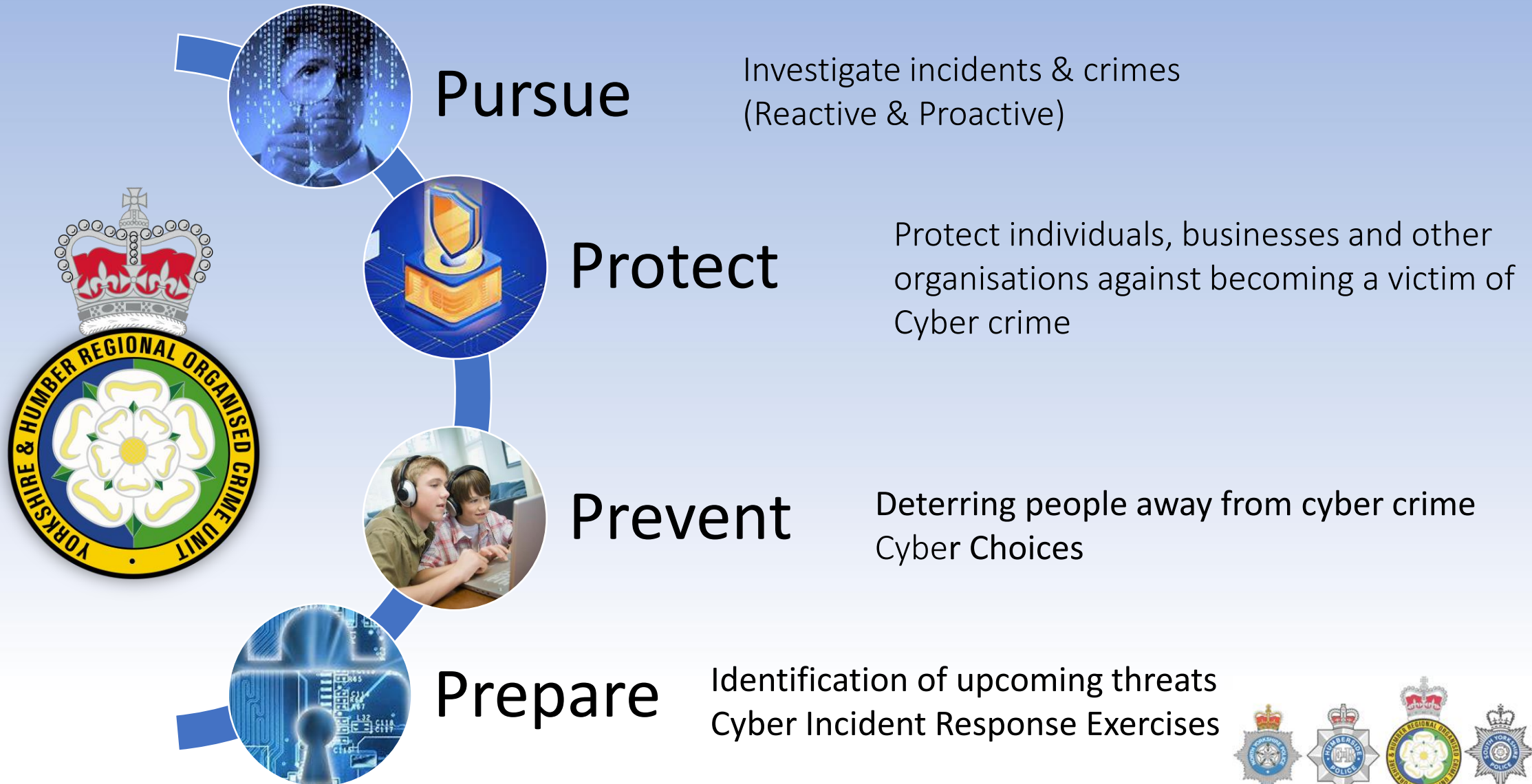


Team Cyber UK

Regional Organised Crime Units (ROCU)



The 4P Strands to Policing Cyber



Cyber Protect – Advice & Guidance

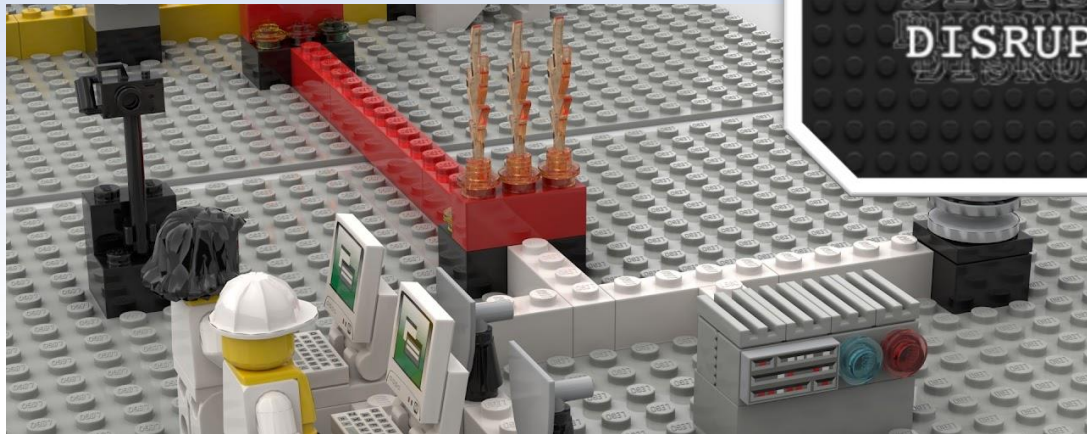
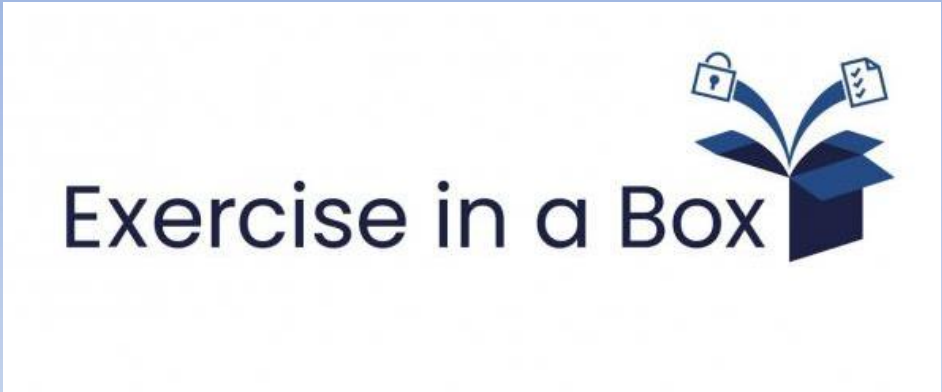


National Cyber
Security Centre



YHROCU Cyber Protect

- Staff Awareness
- Exercise-in-a-Box
- Lego Game – Decisions & Disruptions
- Cyber Escape Room



Cyber Prevent – The Cyber Choices Programme



Identify, Intervene, Inspire

**GAMES
DEVELOPER**

**ETHICAL
HACKER**

**SOFTWARE
ENGINEER**



 National Cyber Security Centre
a part of GCHQ

The story starts with you.



CYBERFIRST GIRLS COMPETITION 2022
Registration opens on 18th October 2021

 **CYBER FIRST**
LEARNING



CYBER SWITCHUP 23
YH ROCU



YORKSHIRE & HUMBER REGIONAL ORGANISED CRIME UNIT

Prepare – YHROCU Technical Development Unit



RDOT

- Detective Constables
- Covert Digital Officers
 - Data Engineers



Technical Development Unit

Technical Deployment Specialists
Interns (on University Placement Year)
Interns (part-time contract in 3rd year)



Investigating the Darkweb....



'Technical Innovation Unit' Programme



- YHROCU started with 1 intern in 2017.
- Recruited through development of relationships with nearly all regional universities.
- Gifted, high achieving individuals on computer science and cyber security courses
- Vetted to SC prior to appointment
- Covering wide range of technical innovations, digital forensics and specialist areas within law enforcement.
- Recruited previous placements to full time staff within RDOT and wider policing (e.g. Data engineers / Digital Forensics Staff)



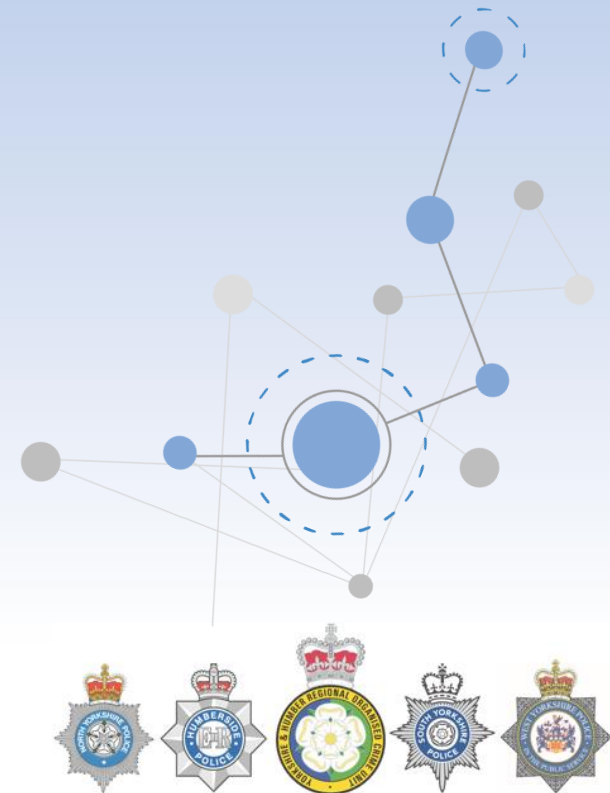
Some of our current TIU Projects

- **Spyware / Stalkerware Identification**
Guardian Tinycheck (MiTM)
Mobile Verification Toolkit
- **Deepfakes & Digital Forgery**
- **Open Source Toolkit**
Social Media Username Lookup
WhatsApp Web Interface
- **Password Cracking Using DF-Net network capabilities**

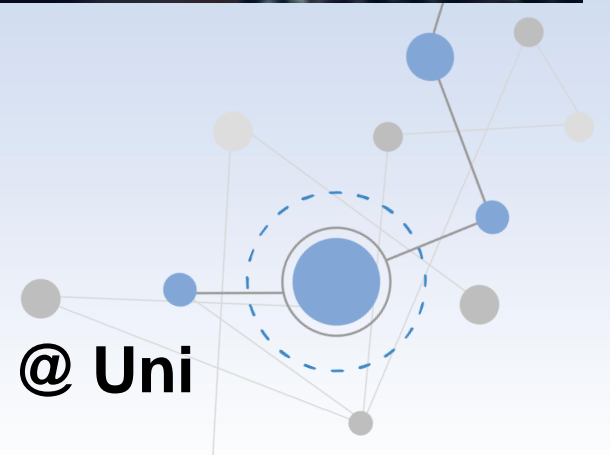


Digital / Cyber Roles within Law Enforcement

- **Digital Forensics**
- **Open Source Researchers**
- **Digital Media Investigators**
- **Radio Frequency Propagation Surveyors**
- **Data Engineers**
- **Technical Deployment Specialists**
- **Software Developers**
- **Cyber Security Specialists**
- **Network Managers**
- **Cyber Incident Response**



- **Recruitment Phase**
 - CTF Challenges - now
 - Applications via WYP – LIVE
 - Shortlisting – end of Nov 2023
 - Assessment Days – Dec 2023
 - Offers for Placement – end of Dec
- **Internship**
 - Begin around July through to Sept
 - £19k salary
 - Also – some part-time Intern placements into 3rd year @ Uni



YHROCU Internship / Capture the Flag

**WE
WANT
YOUR
TALENT**



TAKE PART IN OUR SET OF TECHNICAL CHALLENGES TO COMPETE FOR A UNIQUE AND EXCITING STUDENT PLACEMENT OPPORTUNITY AT THE FOREFRONT OF CYBERCRIME



- ✓ ETHICAL HACKING
- ✓ CYBERSECURITY
- ✓ DIGITAL FORENSICS
- ✓ PROGRAMMING

2024 STUDENT PLACEMENT APPLICATIONS ARE NOW OPEN.





**Any
Questions?**



DS Damian Speare

Regional Technical Development Unit
Yorkshire & Humber ROCU

