



# CYBER

**ROYAL  
AIR FORCE  
AIR CADETS**  
the next generation

## AI

- Systems that emulate the human mind to learn . achine learning
- It can help support our healthcare system, monitor climate change, and improve transport

## CRYPTOGRAPHY

- The study of techniques for securing communication and data through encryption.
- Crucial for ensuring data privacy and secure communication in the digital age.

## CYBER SECURITY

- The practice of protecting systems, networks, and data from cyber threats and attacks.
- Essential for defending against cyber threats and ensuring digital safety in the RAF.

## CAD

- The use of software to create detailed 2D and 3D models for design and engineering.
- Important for developing accurate and efficient designs in various industries.

## PTS Implementation

- Teach Basics: Include lessons on cyber threats, safe online practices, and data protection.
- Hands-On Practice: Use simulations to practice responding to cyber threats.
- IT Skills: Teach basic IT skills that support cyber security, like understanding networks.
- Expert Insights: Invite cyber security experts for talks and workshops.
- Certifications: Encourage cadets to earn basic cyber security certifications.
- Real-World Scenarios: Use examples from military operations to show the importance of cyber security.
- Collaborate with Experts: Work with RAF cyber units for practical experience.

Find out more at  
<https://www.raf.mod.uk/what-we-do/overview/cyberspace/>

