CRIME SCIENCE

HUNTING A HACKER

Using Science to Crack Cybercrime



TEACHING MATERIALS

SYNOPSIS

Uncover the science behind solving crime! In this exciting exploration of the criminal world, readers will discover how the latest science and technology is used to crack cybercrime, from AI and tracing IP addresses to smart tech and white hackers.

• 48 pages • 7.25 x 9.25 • Ages: 10–13 • Reading Level: Grade 6
• Interest Level: Grades 5-8 • Library-Bound: 978-1-915153-87-6
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QUESTIONS FOR CLASS DISCUSSION, WRITING, AND RESEARCH

Points for Discussion



- How do you feel about white hats (ethical hackers)? Should they be treated as criminals or are they performing a crucial service? Why do you say so?

- A leading software development company writes code for banks and medical schemes. However, they have recently been attacked by ransomware. Should they comply and pay the ransom to avoid people's banking and medical data being exposed? Give reasons for your answers?



- After reading Crime Science: Using Science to Crack Cybercrime, which career in cybercrime interests you? What do you need to do to embark on this career?

- Do you think it is right or just for government agencies to monitor chat rooms and other online forums? Do you think people's private conversations are their own business and the government should not interfere?

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Writing Exercises

- Cyberbullying is a problem throughout the world. Create a poster to alert teenagers to what cyberbullying is and how they can report it.

- Do you think AI is a good or bad thing when it comes to cybercrime? Write an article for your local newspaper explaining how AI works and how AI makes it easier for cybercriminals to attack, but also for investigators to solve cybercrimes.

- Read page 26 of Crime Science: Using Science to Crack Cybercrime. Now, imagine that your work for the Federal Bureau of Investigation (FBI) in their Behavioral Analysis Unit (BAU). Write a profile on the hacker known as Iserdo. You will need to do further research to complete this activity.

- Write a paragraph to explain what you understand by computer viruses and how cybercriminals use them to commit crimes.

Research Projects

- Do you think setting a honeypot is an effective way to catch a criminal? Do some research to find out about a case where a honeypot was used to catch a hacker.

- Using pages 34 and 35 of Crime Science: Using Science to Crack Cybercrime as your starting point, find out more about how smart tech is helping detectives solve crimes.

- The Superbowl has just been won. Fans are excited to buy new merchandise to show their support for the winning team but the scammers see an opportunity. Find out more about Operation Team Player and how this initiative is cracking down on such scammers. Focus your research on how they are preventing cybercrimes.



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