STOP THE TIME HEIST!

The VIKINGS have used their experimental time travel textual transmission technology (or 5T for short) to send information back in time to help them raise the money they need to build their secret lair. A DATA operative has snuck into each VIKINGS' base to find clues about what they're up to. Can you figure out what information each of the four VIKINGS villains have sent back to themselves?

Overview of missions (these can be completed in any order):

Evelyn Scott
Not-so-noble Nobel Prize

Dr Scott really wants to win a Nobel Prize to get recognition and fame as a scientist. She's planning on stealing research on Climate Change and sending it back to the past so that she can win the Nobel Prize for Physics in the year when the prize money is biggest.

Find out which year she'll be sending information back to the past and how much money she's planning on getting.

Vi Banks
Phishing for money

Vi is going to trick billionaires into giving out their bank password, then steal their money when they have the most in their bank accounts.
When will Vi be able to steal the most money? How much can Vi get?

Lilias Bridge
Going viral to get rich

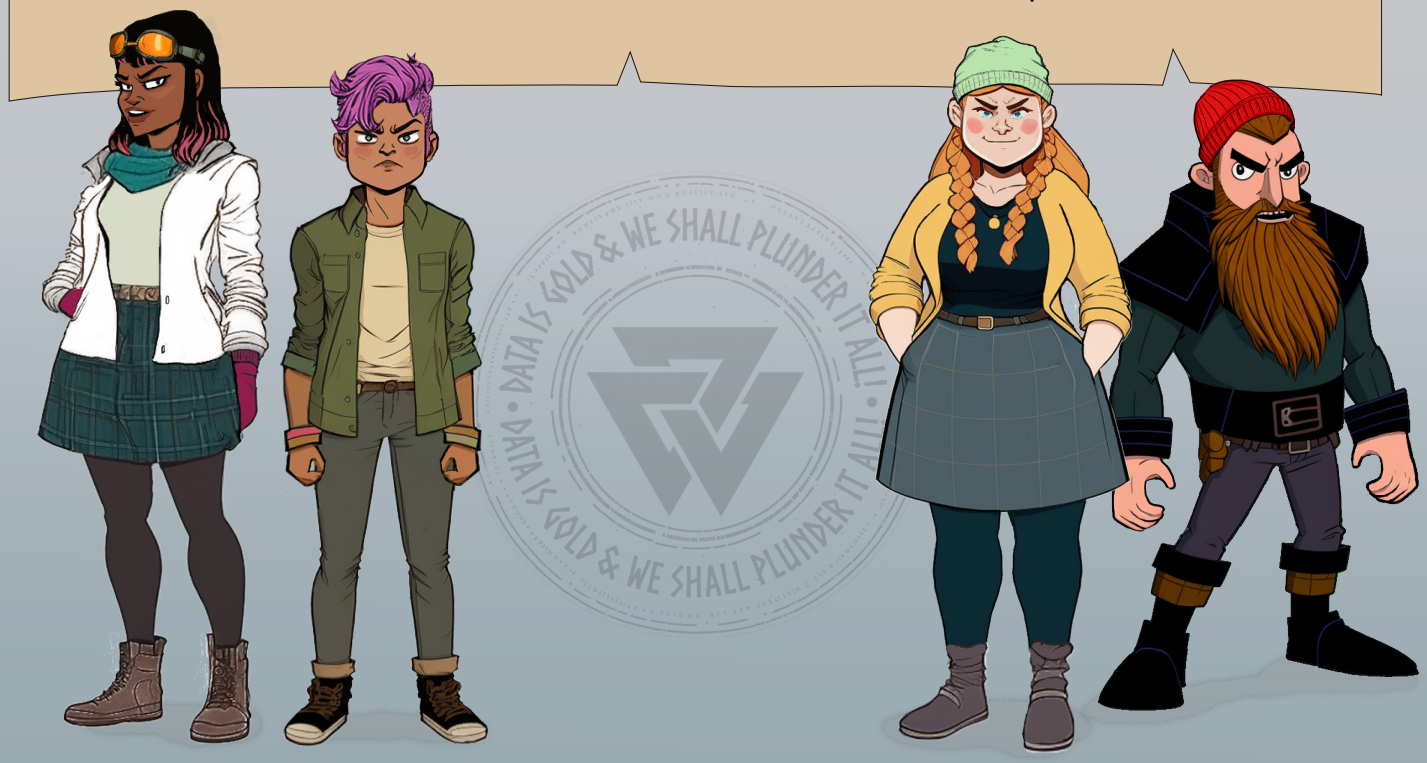
Lilias is a social media troll and wants to gain lots of followers and make massive amounts of money. She wants to send back famous posts that went viral so that she can post them first and gain a huge number of followers.

Find out which accounts Lilias will use and which years has she sent viral posts back to? Can you also find Lilias' secret message?

Jakub Gray
Bitcoin Treasure Hunt

Jakub is planning to hunt for a discarded hard drive that has a small fortune on it. He's going to search the landfill site before tonnes of rubbish gets piled on top.

When and where was the hard drive binned? What is the password?



Bonus Mission

What information would you send back to yourself in the past to do good, not evil? You can only send 144 characters. **What would you send, and when?**

DR. EVELYN SCOTT

NOT-SO-NOBLE NOBEL PRIZE

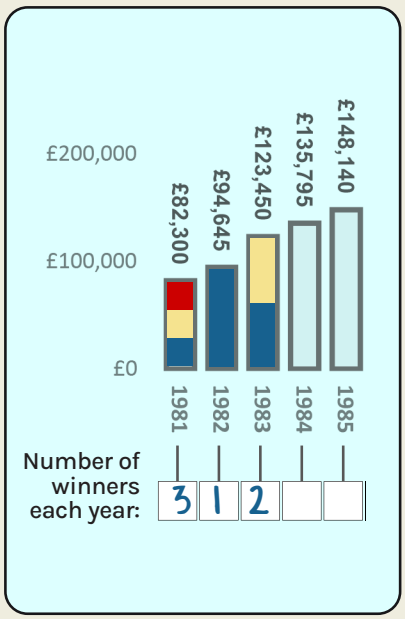
Our undercover agent reports that Dr Scott really wants to win a Nobel Prize to get recognition and fame as a scientist. They found a newspaper article about the 2021 Prize winners and have worked out she's planning on stealing their research on Climate Change and sending it back to the past so that she can win the Prize with their work (and to try to help fix climate change earlier, but it's still theft!)

Your mission is to find out which year she'll be sending information back to the past and how much money she's planning on getting.

Our agent has found a graph showing how much the Prize money is each year, and an article showing the Scientists that have won each year since 1981. Work out how many scientists won each year and how much the prize money was for each scientist. Then figure out the year with the highest prize amount which is the year that Evelyn Scott will be targeting.

How to do this mission:

- At the bottom of the graph, write down how many scientists won each year.
- Divide each of the columns by the number of scientists who won that year. You could use a ruler to measure the length of the bars and work out how long it should be if you divide it in two or three.
- Colour each section a different colour. You can colour in the key to remember what colours you have used.



Work out which year gives the most money to the winning scientist.

How much money will Evelyn win if she manages to win the Nobel Prize this year?

LILIAS BRIDGE

GOING VIRAL TO GET RICH

Lilias is a social media troll and wants to gain enough followers to be able to monetise some of her social media accounts and make massive amounts of money. Our undercover agent has overheard her saying that she will send back famous posts that went viral so that she can post them first and gain a huge number of followers.

Our agent searched her computer and found the usernames of all her social media accounts, as well as some data on the number of followers they have had across different years. Our agents will need to shut down Lilias' accounts so she can't make money from fake news and vicious rumours.

A social media account usually needs around 10,000 followers to be able to start making money, either through ads, sponsors, or paid by the social media company.

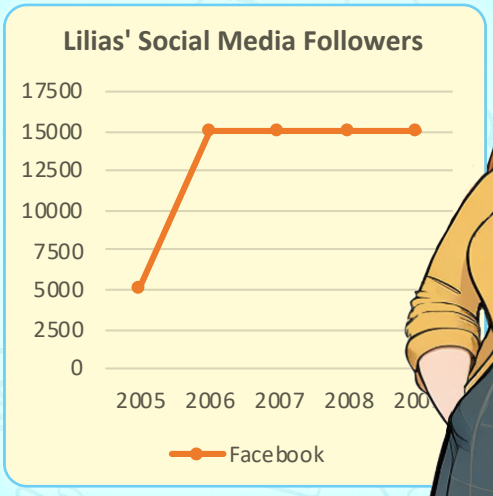
How to do this mission:

Draw different coloured lines on the graph to show the number of followers over time for each account.

- Which accounts are Lilias planning to use to make money?
- Which years has she sent viral posts back to?

These will be the years where the number of followers started to sharply increase.

Can you find Lilias' secret message?



VI BANKS

PHISHING FOR MONEY

Our data operative found strips of paper in Vi's shredder. They appear to be from yearly reports of the net worth of some of the wealthiest people in the world. Given Vi's exceptional hacking skills, we suspect they will send information back in time to know which people to target and when they have the most money.

The undercover agent thinks Vi will send emails pretending to be from the billionaires' banks. Vi hopes the target will click on a link in the email that takes them to a fake internet banking webpage.

If they type in their password, then Vi will be able to use it to access their real bank account and steal all their money... unless we can get to them first and warn them! Vi will hack into their banks in the year in which they have the most money altogether for them to steal.

How to do this mission:

- Group and sort the shredded paper. Add up the amounts of money each year.
- Which year do the billionaires collectively have the highest amount of money?
- What is the total amount of money that Vi could steal?

What is phishing?

Phishing, pronounced like "fishing", is a way for criminals to catch people out and get them to reveal sensitive information, like banking passwords. They do this by sending an email pretending to be from a trusted source.

Phishing emails are usually sent to thousands of people, with the hope that at least a few will be fooled and 'take the bait'.

"Spear phishing" is when a message is targeted at a specific person, including details specific to them that will be likely to gain their trust.

JAKUB GRAY

BITCOIN TREASURE HUNT

Jakub has found details in a newspaper about someone who farmed lots of bitcoin when it was first introduced. He stored the bitcoin details safely on a hard drive. Unfortunately, he binned the hard drive long ago by accident.

These lost bitcoins are now worth millions. The council won't let him dig around the landfill site because there's too much waste piled on top that might collapse. Our undercover agent thinks Jakub will be sending information back to the past so that he can sneak into the landfill site and steal the hard drive before there's tons of rubbish piled on top of it. Jakub has found a map of the landfill dump and information on when each container of rubbish was dumped to work out where he'll need to search for the discarded drive.

You also need a password to access the bitcoin wallet. Maybe you can spot some clues in the newspaper article that will help you work out the password.

What are Bitcoins?

Bitcoins are a virtual currency. If you own a bitcoin, you store a private 'key' (which is a large number) in a 'wallet' on a computer. To access (and sell) your bitcoins, you need the private keys for the bitcoin and the password for the wallet.

The information we need:

- When was the drive binned and dumped in the landfill site?
- Which part of the site was being used at the time the hard drive was binned?
- What is the password for the hard drive?

Bonus mission:

- Work out when the VIKINGS will try to sell the bitcoins if they're successful.
- How much money would they get approximately?