



SCIENCE MUSEUM SPY TRAIL – MISSION BRIEFING

Do you have what it takes to be a spy?

You'll need to be cunning, intelligent, resourceful and stealthy. You must have good observation skills, the ability to read people and a strong nerve.

Develop your spy skills with these training exercises. If you complete all the missions, you'll uncover the secret codename of one of the most famous double agents of all time, Juan Pujol.

- Find a map of the Museum (you can pick up a printed map at any information desk, or use our information terminals throughout the building).

- Use the map, and the signs around the Museum, to help you find your way to each different training location. Be observant – you may not have security clearance for some routes.

1: STEALING SECRETS

Can you break into secure places to steal information?

Location: BASEMENT – make your way to the main basement area of the Museum and find a space called the SECRET LIFE OF THE HOME. It is close to the giant steps and the snack shop.

Training: As you go through the entrance to this space, you'll see a house on your left with a front door, marked DUNROBBIN. Go inside and find the black curtain. Read the instructions on the left before you go through it. Can you make it to the safe at the end of the secret corridor?

Codebreaker: Go into the next room, full of locks and keys. Find the giant COMBINATION BICYCLE LOCK. Line up the letters to open it. Look at the first letter of this special word on the dial. Write down the 3rd letter that appears below it: _____

2: PROTECTING YOURSELF

Spying can be dangerous. But there is specialist clothing that spies can use.

Location: FIRST FLOOR – take the lift to the first floor and find the CHALLENGE OF MATERIALS area.

Training: Look for the canoes hanging from the ceiling. Nearby you'll see a case full of clothing. Can you find something that will protect you from a bullet, but still help you blend into a crowd?

Codebreaker: Look in the folder nearby, called PROTECTING THE BODY, and find the page that describes the fibres, like Kevlar, that are used to make bulletproof vests.

Write down the first letter of the word that describes this special type of polymer:

3: SENDING MESSAGES

Spies use hidden gadgets and secret codes to communicate with each other.

Location: FIRST FLOOR – the TELECOMMUNICATIONS area is on the other side of this space, past the giant silver wheel.

Training: As you walk in, you'll see a case with some large radios inside. On the wall on the right is some equipment FOR THE SPY. It's a large radio that was used in World War II. How was it disguised?

Codebreaker: On the other side of the room, to the right of the huge TRANSMITTER No 7, there is what looks like a typewriter in a wooden box. This is the ENIGMA ELECTRICAL ENCIPHERING MACHINE. Modern day computers use similar encryption methods to protect emails and other data. Look at the label inside the top of the box and write down the third letter of the first word: _____

5: FINDING YOUR WAY

Spies use maps and advanced GPS technology to help find their way around strange places.

Location: FIRST FLOOR – come back out of the Telecommunications area. Turn right and walk past the stairs, through the area filled with wooden cases and past the lifts until you get to the SURVEYING area. It is near the Megabyte Picnic Area.

Training: Find the case on the right near the stairs, called MINIATURE MAPPING. Look at the tiny maps that spies might use. Spies have also hidden maps on handkerchiefs in their pockets. How would you hide a secret map?

Codebreaker: Find the large picture of LONDON FROM SPACE in a case in the middle of the room. Spies can use satellite images like these to watch people and places.

You can find places on this map by using grid references. Look at the index of places. Write down the first letter of the map reference that is given for LEAVESDEN AERODROME: _____

6: WATCHING FROM ABOVE

Unmanned spy planes give spies a clear view of places they can't go.

Location: THIRD FLOOR – take the lift to the third floor and find the area called FLIGHT.

Training: Near the entrance, just before you walk into the main space, is a panel on the left about ENGLAND AND THE AEROPLANE. In the late 19th Century, the modern aeroplane hadn't been invented so British soldiers in the South African War used other methods to spy from the sky. Can you find out what they used?

Codebreaker: Climb the stairs onto the raised area and find the WESTLAND SKEETER MK12 1960 helicopter on the right hand side. This two-seater was once used for air observation in Germany. Look for the red sign on the cockpit door. Write down the fourth letter of the second word: _____

MISSION DEBRIEF

Did you find out the secret codename of the double agent?

Write the codename here:

Already working for the British secret service in 1942, this sneaky agent approached German intelligence with the intention of betraying them.

He invented a set of imaginary informers who he claimed fed him intelligence reports, and succeeded in passing false information to Germany about the dates, locations and nature of the Allied invasion of Normandy in 1944.

The information was supported by more false information passed on by other agents, and the physical deployment of soldiers to reinforce the (misleading) plans that he had described.

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