

Who is a Spy-Be a Spy- deadantdeadantdeadant

Spying (Espionage) is a way of gathering information secretly about others without them knowing about it. The word "spy" is derived from various old words meaning "to look at or watch" such as the Latin "specere" or the Anglo-Norman "espier".

Spies use forensic science, secret codes and many other techniques to gather information and unfold the details of the case. **Central Forensic Science Laboratory** and **National Institute of Forensic Sciences (NIFC)** are the agencies which support police in identifying criminals in India.



Finger prints

Spies need ways of identifying the culprits. There are many methods of describing people's personal physical identities. Example looks, height, body scars etc. Many of these identities may change over the period of time. But finger prints remain same till death and therefore are the fool proof means to prove a person's identity.

Chill Activity: Finger Prints are unique??

1. Make rolled and plain finger prints on the Finger print record

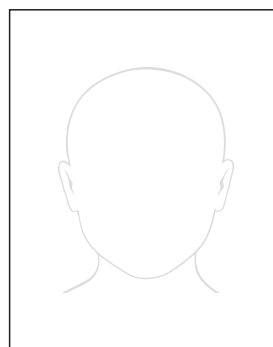
Fun facts:

- No two sets of finger prints are exactly same and hence they provide accurate clues for identifying people's identity.
- Your finger prints will never change no matter how old you become.
- Finger prints provide friction ridges on your fingers, palm etc which help you to have a firm grip to hold objects.
- AFIS is Automatic Fingerprint Identification System which uses computers to scan sample finger prints.

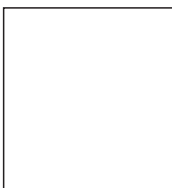
Name:		Hand:	
Rolled impression			
Thumb	Index finger	Middle finger	
Ring finger		Little finger	

Agent code name

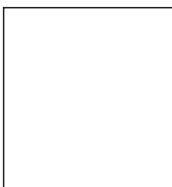
Agent code



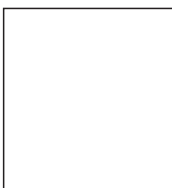
Secret agent finger printing details



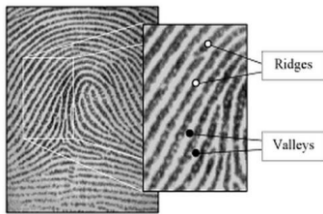
Left thumb:



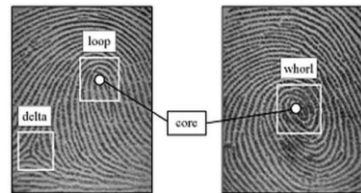
Left Index finger:



Left Middle finger:



The raised parts are called as Ridges and the parts between ridges are known as Valleys



The formation of the ridges and valleys on our fingers is differentiated as whorl, loop and delta.

So what kind of formations do you have??



Arch (A)



Tented Arch (T)



Whorl (W)



Loop (U or R)

This kind of formation is mostly inherited and the members of the same family have a similar pattern on their fingers!

What kind of finger print you have??

- Thumb:
- Index finger:
- Middle finger:
- Ring finger:
- Little finger:



Just look for similar patterns in each print. The experts use the minute detection technique to match the prints. Also compare the prints with your friend and see the differences.

Height (in cm):

Eye Color:

Weight (in kg):

Blood Group:

Hair color with sample:

Skin tone scale



PALE

WHITE

TANNED



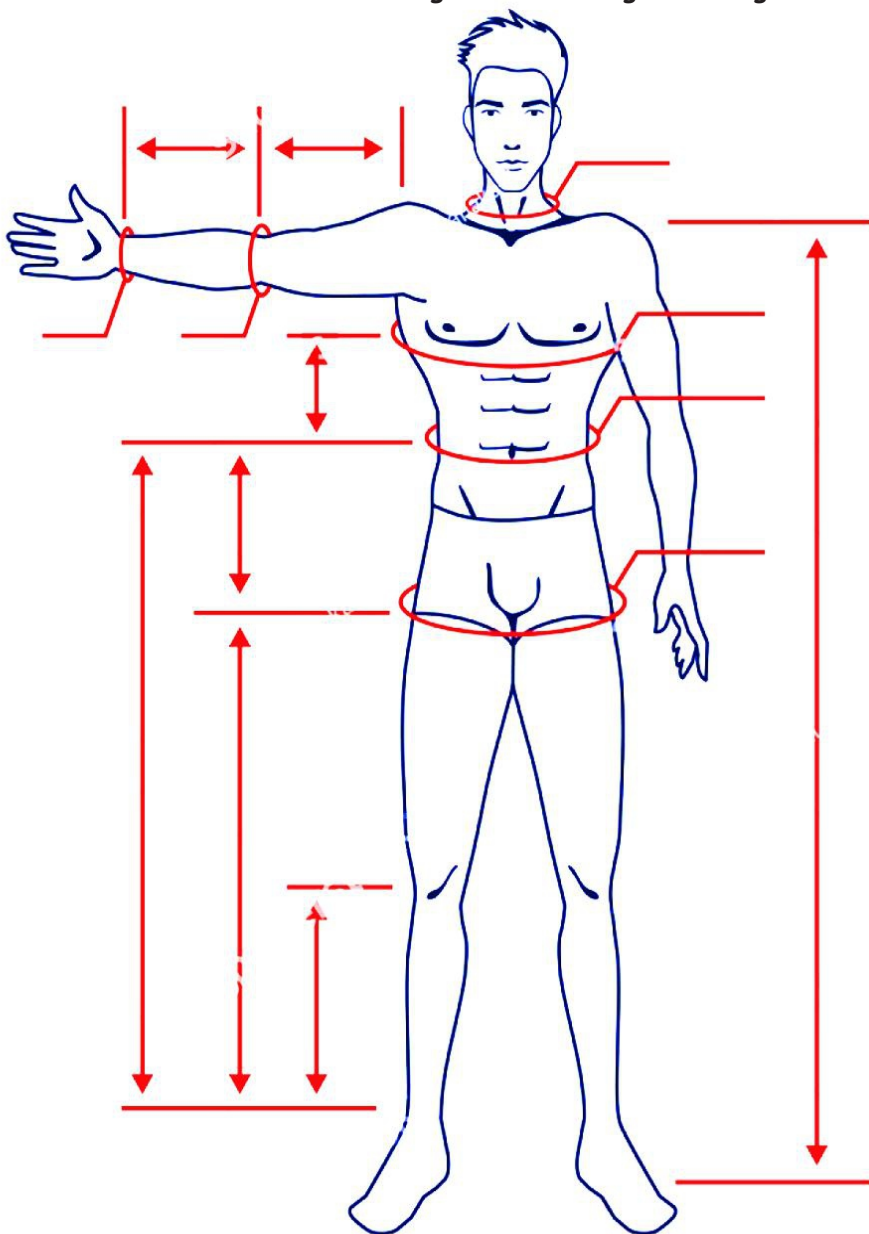
BROWN

DARK BROWN

BLACK

Paint your skin colour

Measure In Cms or in meter using the measuring devices given

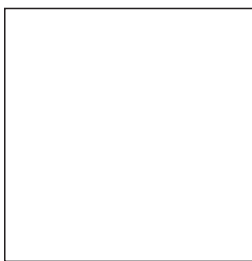


Specimen Thumb print 1

Name:

Group: Friend / Family / Relative

Specimen thumb print



Suspect thumb print



Specimen Thumb print 2

Name:

Group: Friend / Family / Relative

Specimen thumb print



Suspect thumb print



Invisible Messages

Suppose you are a spy and you want to convey a secret message to somebody. We will take help from chemistry and try to write a invisible message to our secrete agents



1.
.....
2.
.....

Chill Activity: Code Busters

Secret messages are used to pass information from one place to another without leaking the message to the third person. A smart spy must be able to decode secrete messages.

1. Thew ords pycom esfro mth efrenc hwor de spionage
.....
2. Siht egassem si pot terces.Ti sah noitamrofni rof ouy
.....

1. Slook cat ithe eteam nwhich cis eat uthe tright sside,
athey vhave aa wmessage sfor syou
.....
.....

Mug up:
Code messaging is called as **Cryptogram**. The word cryptogram comes from two greek words **Kryptos** meaning hidden, and **Gamma** meaning writing.
Writing and understanding coded messages is called **Cryptography**. A person who writes and decodes secrete messages is **Cryptographer**.

Chill Activity: code a code

A	B	C	D	E	F	G	H	I	J	K	L	M
1	2	3	4	5	6	7	8	9	10	11	12	13
N	O	P	Q	R	S	T	U	V	W	X	Y	Z

.....
.....

Win a Prize: Exchange the code with your neighbor and ask him/her to solve it. Best code gets a prize!

Spy Message