

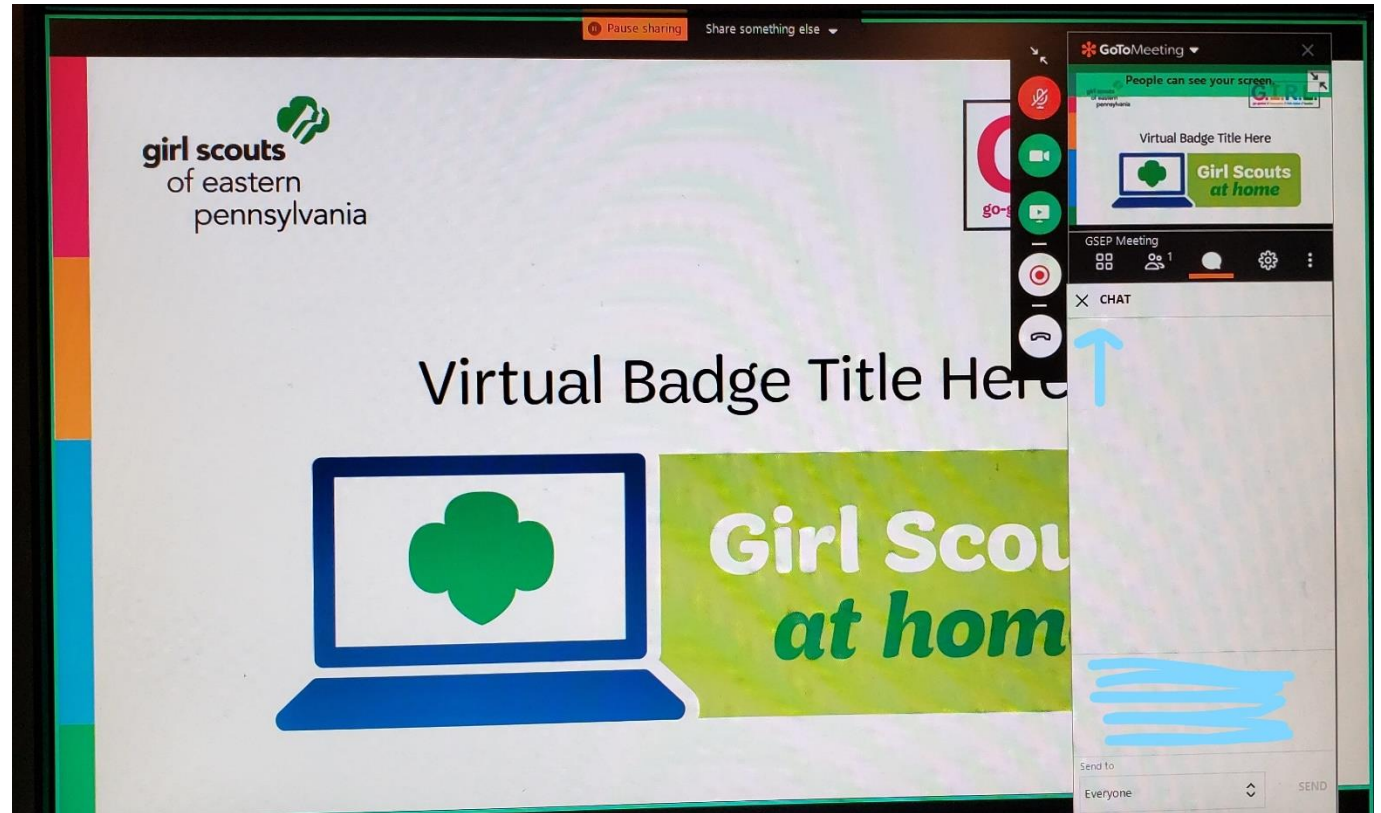
Cadette Special Agent



Girl Scouts
at home

How will this Virtual Troop Meeting Work?

- On the right side of your screen, there is a control panel. You should see a microphone, a video camera and a chat bubble.
- When we sing together, you will want to click on your microphone so it is green. Then everyone will be able to hear you.
- If you have a webcam, clicking on it will let everyone else in the meeting see you too.
- The Chat Log looks like a cartoon thought bubble...see it underlined in red? You can type questions or comments into the chat log and everyone will be able to see what you write!



Special Agent

Today we will be working on steps 1, 2 and 4 of the badge requirements.

Step 1. Investigate Investigation

Step 2. Reveal reality

Step 3. Try the Science

Step 4. Key into body language

Step 5. Practice the art of detection



To receive the badge you will be required to complete steps 3 and 5. The details will be provided in the post workshop email.

Girl Scout Promise & Law

Girl Scout Promise

On my honor,
I will try, to serve God,
and my country, to help
people at all times,
and to live by the Girl
Scout Law.



Girl Scout Law

I will do my best,
to be honest and fair,
friendly and helpful,
considerate and caring,
courageous and strong,
responsible for what I say and do,
to respect myself and others,
respect authority,
use resources wisely,
make the world a better place and
be a sister to every Girl Scout.

Step 1 Investigate investigation

- Do you like mysteries? Or solving puzzles? That is what investigators or Special Agents do. They solve puzzles. They look at the who, what and how. Lets look at some investigators from history!



Real agencies with special agents.

What is the difference between the FBI, the NSA and the CIA?

- The **CIA (Central Intelligence Agency)** mostly operates outside the United States to gather intelligence via a network of spies, the **FBI (Federal Bureau of Investigation)** predominantly operates within the U.S. to both gather intelligence as well as tackle federal crimes and the **NSA (National Security Agency)** is responsible for breaking foreign intelligence codes.



The Federal Bureau of Investigation (FBI)

- The **FBI** is an intelligence-driven and threat-focused national security organization with both intelligence and law enforcement responsibilities. It is the principal investigative arm of the U.S. Department of Justice and a full member of the U.S. Intelligence Community.
- The **FBI's** main goal is to protect and defend the United States, to uphold and enforce the criminal laws of the United States, and to provide leadership and criminal justice services to federal, state, municipal, and international agencies and partners.



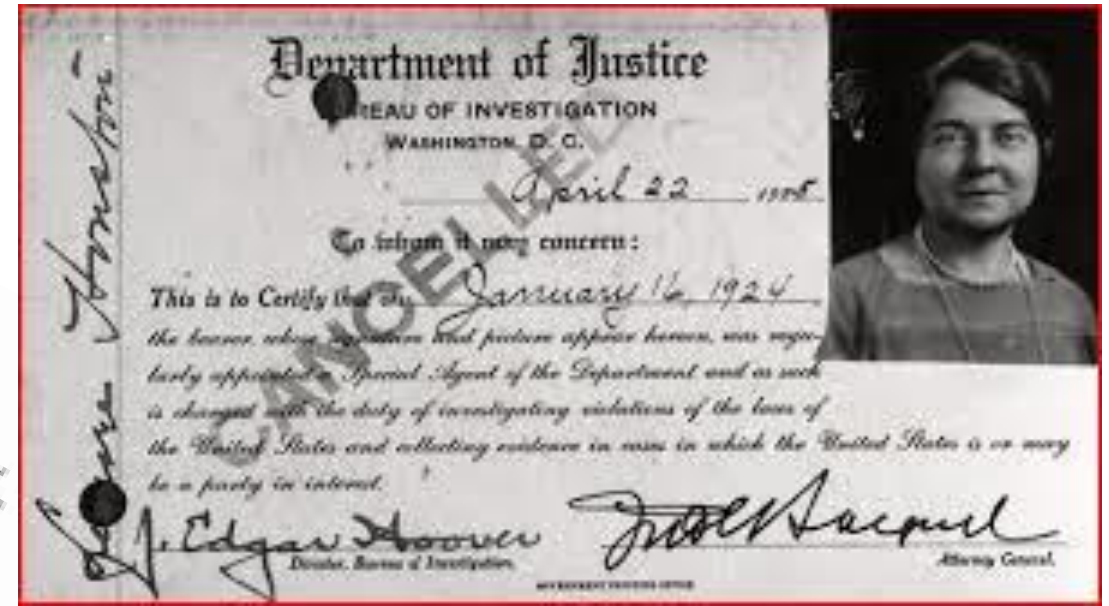
Female Feds - Bureau special agents and among the first women in federal law enforcement.

- Alaska Davidson was trained in New York City and Jessie Duckstein was trained in Philadelphia. Both were assigned to the Bureau's Washington field office. Both were hired to help stop human trafficking. They were both dismissed when the newly appointed Director J. Edgar Hoover dramatically cleaned house in the spring of 1924 following the Teapot Dome scandals.



There is no
available picture
of Jessie
Duckstein.

- Lenore Houston was hired after these initial cuts and served the longest of the three. She, too, was trained in New York City and assigned to the Washington office. She was asked to resign in 1928.



Female Feds - Bureau special agents and among the first women in federal law enforcement.

- It would be 44 years in May 1972, after J. Edgar Hoover died, before change happened and women special agents would become a regular and vital part of the FBI.
- On July 17, 1972, Joanne Pierce (Misko) and Susan Roley (Malone) were sworn in as FBI special agents, began arduous training and graduated in October. By the end of that year, 11 more women would be sworn in.



As of 2018 there are 2,726 female special agents in the FBI. There are 10,900 male special agents.

WANTED



Suspect Profile:

Name: Facilier, Dr. Anton

Last Seen: New Orleans, Louisiana

wearing ill fitting clothing, top hat and spats
known to carry staff with purple crystal top

Known Alias: the **Shadow Man**, **Witch Doctor**

Known Associates: **Shadows**

Tricks his victims into making deals with him and not delivering as expected. Like to trick with tarot cards.

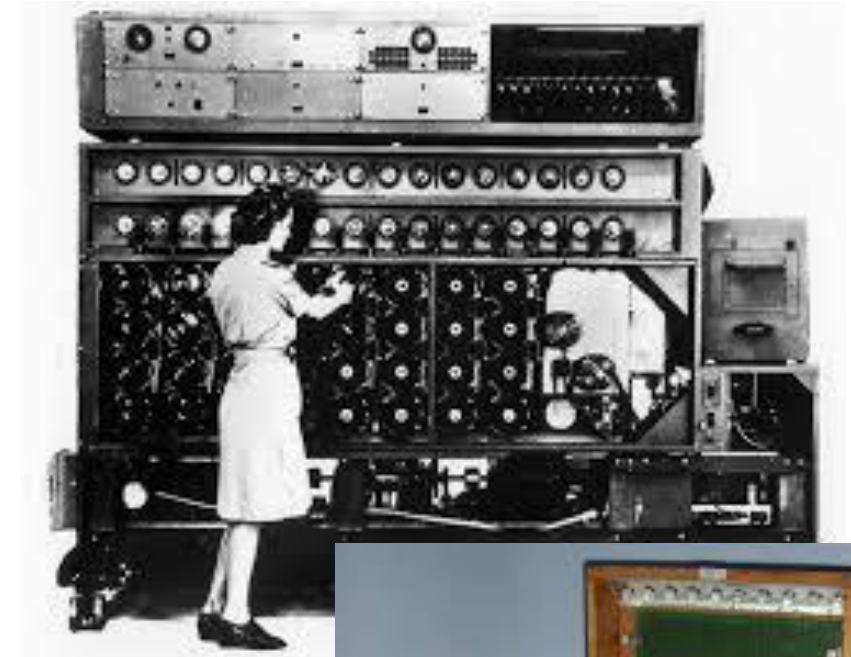
The National Security Agency (NSA)

- The National Security Agency is a national-level intelligence agency of the United States Department of Defense, under the authority of the Director of National Intelligence.
- The NSA is responsible for breaking foreign intelligence codes through secured computer systems, encryption, and access control. The NSA works in combination with the Central Security Service. The NSA deals with data processing, generating encryption keys to U.S. information, and decrypting foreign intelligence. NSA agents mainly sit in the headquarters that is based in Fort Meade, Maryland.



Female cryptologists

- All the way back to the American Revolution women have been spies.
- Women spies from the Civil War also used codes and ciphers to aid those fighting for the causes they believed in.
- But it wasn't until the twentieth century that women began to work full-time in cryptology. During WWI several women considered to be cryptologic pioneers began their careers.
- During WWII thousands of women joined the military or worked as civilians for the military as cryptanalysts, intercept operators, technicians, machinists and every other position available in cryptology. Many of those women chose to stay in the field after the war, providing breakthroughs and contributions throughout the Cold War.
- Eventually, women rose to the highest ranks of management and today continue to support, develop, and build the cryptologic legacy of tomorrow.



The American Revolution: Anna Smith Strong

- The **Culper Ring** was a **spy ring** organized by Major Benjamin Tallmadge under orders from General George Washington in the summer of 1778, during the British occupation of New York City at the height of the American Revolutionary War.
- Anna Smith Strong was the only female spy in the ring. Her husband, the local Patriot judge Selah Strong, had been confined on the British prison ship HMS Jersey in 1778, and Anna Strong lived alone for much of the war. She reportedly used the laundry on her clothesline to relay signals to a courier who ran smuggling and military missions for General George Washington.



Pioneers in STEM

- Elizebeth Smith Friedman--wife, mother, writer, Shakespeare enthusiast and cryptanalyst was dubbed "America's first female cryptanalyst"
- Recruited in 1916 by George Fabyan to work on his 500-acre estate at Riverbank, a private "think tank." She would be attempting to prove that Sir Francis Bacon had authored Shakespeare's plays and sonnets using a cipher that was supposed to have been contained within.
- Riverbank had a versatile staff with typists, translators, a graduate student in genetics, and professionals specializing in acoustics and engineering.
- In 1923 She was employed as a cryptanalyst for the U.S. Navy. Then U.S. Treasury Department's Bureau of Prohibition and Bureau of Customs. The net result of her career is quite significant and embraces cryptology against international smuggling and drug running in various parts of the world.

Our office
doesn't make
'em, we only
break 'em,"
Elizebeth Smith
Friedman



- Agnes Meyer Driscoll was born in 1889. In 1911, she received an A.B. degree from Ohio State University, majoring in mathematics, physics, foreign languages, and music. She was director of music at a military academy, and, later, chair of the mathematics department at the local high school.
- In June 1918, about one year after America entered World War I, Agnes Meyer enlisted in the United States Navy at the highest possible rank of chief yeoman and was assigned to the Code and Signal section of the Director of Naval Communications. Except for a two-year hiatus, when she worked for a private firm, Agnes Meyer would remain a leading cryptanalyst for the U.S. Navy until 1949.
- She was involved also in the emerging machine technology of the time, which was being applied both to making and breaking ciphers. In her first days in the Code and Signal section, she co-developed one of the U.S. Navy's cipher machines, the "CM."
- Agnes broke Japanese Navy manual codes which the U.S. Navy used after the attack on Pearl Harbor for the rest of the Pacific War. And early in World War II, Mrs. Driscoll was engaged in the U.S. Navy's effort against the German naval Enigma machine.
- Mrs. Driscoll was part of the navy contingent that joined the new national cryptologic agencies, first the Armed Forces Security Agency in 1949 and then the National Security Agency in 1952.





Suspect Profile:

Name: Maleficent

Last Seen: Orlando, Florida

wearing black and purple robes with
horned hat. Known to carry staff with
golden ball on top.

Known Alias: the Mistress of All Evil

Known Associates: The raven Diablo, many minions

Anger issues. Casts evil spells and shapeshifts.

Central Intelligence Agency CIA

- The Central Intelligence Agency is a civilian foreign intelligence service of the federal government of the United States, tasked with gathering, processing, and analyzing national security information from around the world, primarily through the use of human intelligence.
- When the **CIA** was created, its purpose was to create a clearinghouse for foreign policy intelligence and analysis. Today its primary purpose is to collect, analyze, evaluate, and disseminate foreign intelligence, and to perform covert actions.
- The CIA is mainly associated with gathering information internationally that is of relevance to the United States. The CIA operates across the world through various agents who send the information to its headquarters situated in Langley, Virginia. The CIA agents most often cooperate with other international agencies for collecting relevant information.



Lady Spies

- **Patience Wright**
 - An 18th century sculptress, Wright entertained the King and Queen of England regularly at her London studio—and transmitted their gossip to the US government.
- **Lydia Darragh**
 - In 1777, Darragh walked across the British frontline to warn then-general George Washington of an attack at the Battle of White Marsh, during the US Revolutionary War.
- **Harriet Tubman**
 - A runaway slave, Tubman helped bring other slaves from the south to the north of the United States, and spied for the Union Army during the US Civil War.
- **Claire Phillips**
 - During World War II, Phillips opened a nightclub on the Manila waterfront in the Philippines in order to spy on members of the Japanese navy trying to unwind.
- **Constance Babington-Smith**
 - A member of the Women's Auxiliary Air Force, Babington identified the V-1 rockets that struck London in 1943 using imagery intelligence, and discovered that they were being launched from Peenemünde, Germany.
- **Virginia Hall**
 - Under the [guise](#) of a New York Post stringer in Lyon, France, Hall was employed by the US government as a spy and secretly assisted the French Resistance movement at the start of WWII.
- **Rose O'Neal Greenhow**
 - Greenhow was a widowed socialite and Confederate sympathizer who met with congressmen and generals in Washington DC to obtain intelligence during the US Civil War. She was eventually imprisoned, but according to the CIA list, she still “directed a network of at least 50 spies from her prison cell.”

One last Special Agent

- She was born in Pasadena, Calif., on Aug. 15, 1912. She worked as a copywriter for a magazine.
- Then the United States entered World War II, too tall to join the military (she was 6'2"), she volunteered her services to the Office of Strategic Services (OSS)
- She was one of 4,500 women who served in the OSS.
- In Washington, working as a research assistant in the OSS Secret Intelligence division, she typed up thousands of names on little white note cards, a system that was needed to keep track of officers during the days before computers.
- She then worked with the OSS Emergency Sea Rescue Equipment Section, where she helped develop shark repellent.
- From 1944-1945, she was sent overseas and worked in Sri Lanka and China. She knew every incoming and outgoing message that passed throughout her office.
- She met her husband, Paul who was also an OSS officer. He was well traveled, and it was he who introduced her to fine French cuisine.
- Paul was assigned with the U.S. Information Agency in France in 1948, and this is where her studies of the culinary arts began at one of France's most prestigious cooking schools, Le Cordon Bleu
- American cooking expert, author, and television personality noted for her promotion of traditional French cuisine, especially through her programs on public TV.



Julia Child



Suspect Profile:

Name: Michael Yagoobian

Last Seen: Los Angeles, California

wearing black clothing and cape. Also know
to wear a child's baseball uniform and bowler hat.
Seen carrying unicorn folder.

Known Alias: Goob, The Bowler Hat Guy

Known Associates: Doris (the robot bowler hat)

Anger issues. Plans revenge plots. Easily manipulated by
others. Hates bullies.

Step 2. Reveal reality

Debunking-suggests that something is not merely untrue but also a sham; one can simply disprove a myth, but if it is debunked, the implication is that it was a grossly exaggerated or foolish claim.

- defibrillators cannot start a stopped heart. In fact, they work by stopping a heartbeat—a weird, problem heartbeat, that is. A powerful electric shock can actually CTRL-ALT-DELETE a heart that's pumping irregularly or too fast, in hopes of resetting the heart to its correct rhythm.

Memory

- Do you have a good memory?
- Can you recall a large list of items? How about faces?
- Have you ever played Whisper down the lane?





Memory

Witness statements are a key element in criminal cases but most people have limited or bad memories and cannot recall the information. A group of five people could all remember the same event or person differently. Detectives, agents and forensic experts need a good memory and notes.

Lets play a game. I am going to show you a picture of some coins. Pick the one that is real. There is only one. Type your answer in the chat.





A



B



C



D



E



F



G



H



I



J



K



L

Memory Techniques

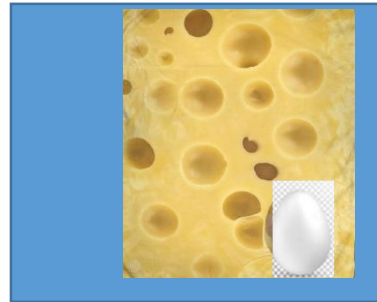
- Technique 1: Visualize It! - Visualization
- When you have an item to remember, "see" it in your mind. The more absurd you make the image the more likely you are to remember it. For example, if you go to the mall and park the car on the level C in space #5, you might imagine that there are 5 Cats waiting in your car for your return. The Cats is for the level "C"; the 5 of course is for the space #5.



- Technique 2: Chain It! - Chaining

- Chaining is a form of visualizing, but now you might have to remember several items in order. This time you must link the items together by thinking of images that connect them. While a grocery list does not necessarily have to be remembered in order (although it sometimes helps to find things faster), let's use it as an example: milk, bread, eggs, cheese, orange juice. Now, chain them with images:

- A carton of milk pouring onto bread.
- A sandwich (the bread) with raw eggs on it.
- Eggs stuck in the holes of a Swiss cheese.
- Pieces of cheese hanging from an orange tree.
- TRY IT!



- Here is a longer list of words to try:
- shoe - piano - tree - pencil - bird - bus - book - dog - pizza - flower - basketball - door - TV - rabbit - spoon - eye - chair - house - computer - rock
- You may find that bizarre and wild associations are easy to remember.

- Technique 3: Place It! - The Method of Loci
- Location, Location, Location. Devised during the Roman Empire, the method of loci uses the chaining method with a twist. Now all the items to-be-remembered are linked to specific places in the order you would visit them. For example, you might think of the route you take to school:
 - Your room (you wake up)
 - Your kitchen (you have breakfast)
 - Front door of your house
 - Bus stop
 - Bus seat
 - Friend's house that you see from the bus
 - Gas Station that you see from the bus
 - Market that you see from the bus
 - School
- Now you must link the items that you want remembered to each of these places. You have to remember the places first, of course, but this should be easy. Then chain each item to the places...remember, the more wild your idea the better. Using the grocery store example again: milk pouring on you in your room, bread that you can't get out of the toaster (kitchen), eggs splattered on your front door, etc.



- Technique 4: Chunk It! – Chunking
- Ever wonder why phone numbers are really two 3 digit numbers and one 4 digit number and NOT one 10 digit number. It's 123-123-4567, not 1231234567.
- Or what about social security numbers. It's 123-45-6789, not 123456789. They are a lot easier to remember in small chunks. Remembering things is easier when they are in pieces.



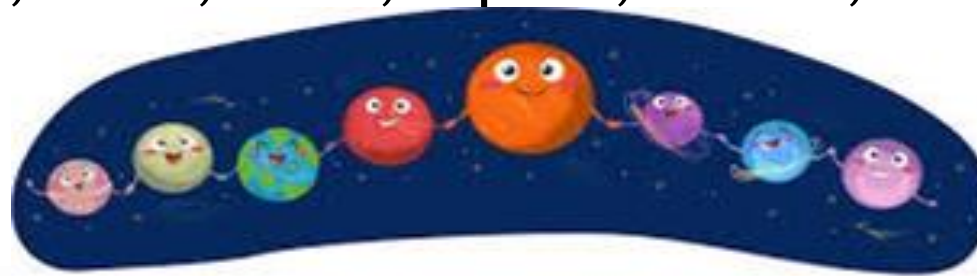
- **Technique 5: Acrostic It! - Those Catchy Phrases**

- An acrostic is a phrase that uses the first letter of a word to remember it. One of the most familiar ones is:

My Very Early Morning Jam Sandwich Usually Nauseates People or
My Very Excellent Mom Just Served Us Nine Pizzas

- What does this mean", you ask. Well, the first letters of each of these words in this phrase stand for the first letters of each planet in order from the Sun:

Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune, Pluto



- One last one...do you know the order of colors in a rainbow? Just remember this person's name: Roy G. Biv

R=red; O=orange Y=yellow G=green B=blue; I=indigo
V=violet

Step 4. Key into body language

Body language is a key tool in a detectives kit. By watching how somebody stands, moves or even talks can tell you a great deal about them. Ever hear of first impressions? That is you reading body language. You do it and don't even know it!

FACIAL EXPRESSIONS

- Researcher Dr. Paul Ekman discovered 7 universal micro expressions or short facial gestures every human makes when they feel an intense emotion. We are very drawn to looking at and observing the face to understand someone's hidden emotions. They are an essential part of body language.



Body Language

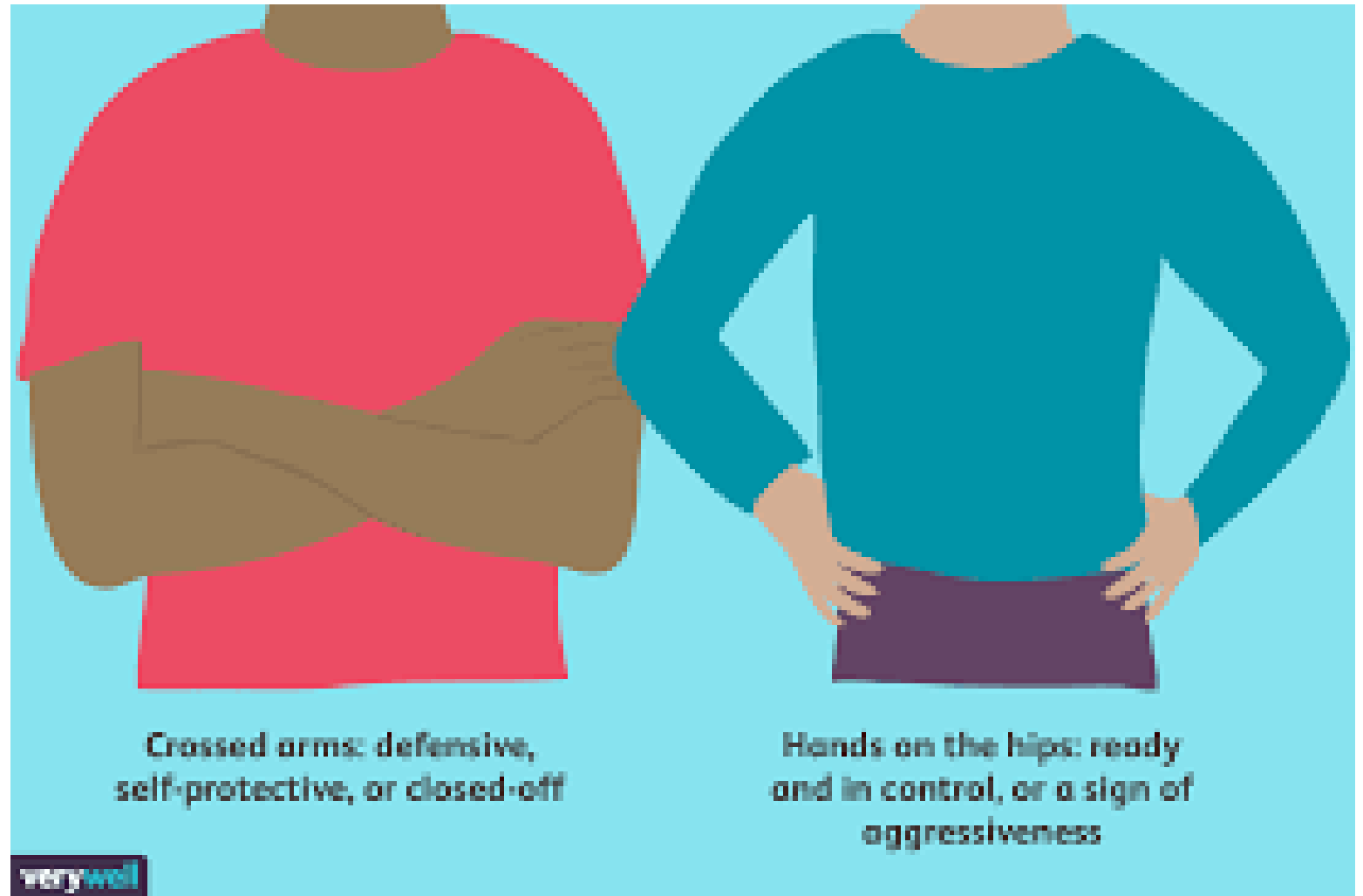
- Body language is a type of a nonverbal communication in which physical behaviors, as opposed to words, are used to express or convey information. Such behavior includes facial expressions, body posture, gestures, eye movement, touch and the use of space. Body language exists in both animals and humans



Bodies

Body movement tell us a lot about preferences and nervousness. They are instrumental body language clues.

How you hold your arms, move your hands, how you sit or stand can all tell your emotions. But these signs can mean more than one thing. If your friend has her arms crossed, is she mad? Or just cold?

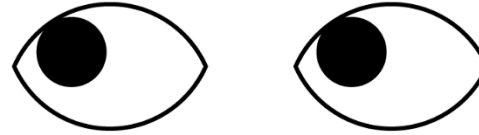


Eyes

Did you ever hear, “The eyes are the windows to the soul?” Well, eyes are definitely a key to body language.

Direction, expression and even eye brows can tell you a lot about what someone is thinking.

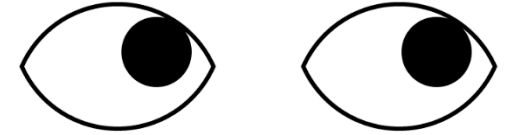
IMAGINED VISUAL



Up and to the right

- creating a picture of something never seen
- creative visualization
- possibly lying or making up a visual

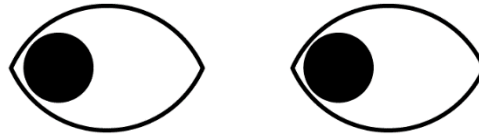
VISUAL MEMORY



Up and to the left

- remembering a picture or image
- recalling a scene witnessed

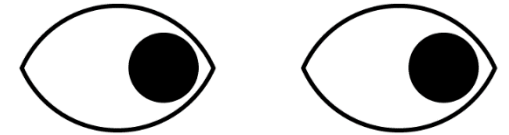
IMAGINED AUDITORY



To the right

- imagine one sound morphing into another
- making up a tune
- writing a poem
- possibly lying or making up words

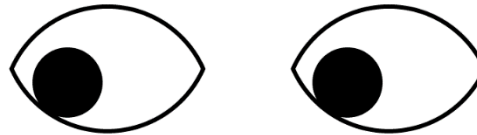
AUDITORY MEMORY



To the left

- remembering a sound
- recalling a tune previously heard
- remembering a poem

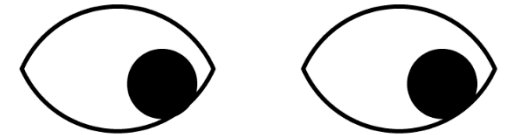
FEELINGS



Down and to the right

- recalling an emotion
- imagining an emotion
- remembering a physical feeling
- imagining a physical feeling

INTERNAL SELF TALK



Down and to the left

- listening to the voice inside
- talking to oneself

One
last
game

Figure out who
robbed the
bank.

Did you see
the clues?

There were 3
suspects!

THE DAILY NEWS

www.dailynews.com

THE WORLDS FAVORITE NEWSPAPER

- since 1879 -

Yagoobian Arrested for Bank Robbery



The Kells Pargo Bank in downtown Los Angeles was robbed early morning March 20th. Police are looking for witnesses. The main suspect Michael “Goob” Yagoobian is currently under arrest and waiting trial. Mr. Yagoobian allegedly escaped the bank carrying 750,000.27 in a unicorn backpack. The money has not been found.

Mr. Yagoobian was found with the empty backpack in an alley around the corner from the bank. **He claims to be innocent.**

Police are reviewing security footage and looking for witnesses that saw the suspect leaving the bank.

If you have information, please contact the local police at 555-555-4220.

Witness Statements

What is correct? Is it a fact? Is it even the about the topic?



I saw the guy with the backpack run out of the bank. He had the money sticking out of the bag. He went toward the bus stop.

A saw a man dressed in black leaving the bank. I did not see a backpack. I saw the same man on the plane form New Orleans. He wore a top hat and was with a tall woman.

The backpack was black and the guy had a unicorn on his tee shirt. He was wearing a black cape and a knit hat. He got in a cab at the curb.

He was tall and had a black hat and black and white shoes. He carried a cane that looked broken. No backpack. He got in a black limo.

I didn't see any man but I did see a very beautiful woman in a limousine. She had a crow in the front seat. Someone jumped in the back seat but I was looking in the mirror to see myself. I am perfect don't you agree?

Did Goob do it?

Nope!

THE DAILY NEWS

www.dailynews.com

THE WORLDS FAVORITE NEWSPAPER

- since 1879 -

Michael “Goob” Yagoobian is innocent!



Police arrested Dr. Anton Facilier and Maleficent as they were boarding a plane. They were caught with the unicorn backpack.

Police were able to locate the rental car parked at the airport. Both suspects blamed the other for getting caught. All money was returned except for \$37.31 used to purchase snacks. The two were heard arguing about the unicorn backpack.

Michael Yagoobian told reporters, “Told you I didn’t do it. Why won’t anyone ever believe me?” Goob was released with his unicorn.



**He didn’t
do it!**



Now it's your turn!

The information for steps 3 and 5 needed to finish this badge will be included in your post-workshop email.

Thank you for sharing your time and your time with us today!

Keep watching to make the World a Better Place!