

## Forensic Scientist: Are you a CSI or a Sherlock?

### Day 1

#### Morning

Ice Breaker - Getting to know the team members and WIN A PRIZE!

A Little History of Forensic Science

What will we Learn?

How the Scientific Method is used in Forensic Science

Microscope Use reviewed

How does chemistry come into it?

#### Afternoon

##### Scams

First Case A lesson in Document Forgery:

Handwriting analysis

Lab on document forgery

Computer keyboard comparison we don't have typewriters anymore

Discussion

### Day 2

#### Morning

Some Criminal Chemistry:

Cheating

Black can be colorful

Chromatography Lab

Kiss of Larceny

Lipstick chromatography How to identify a criminal

#### Afternoon

The Accident:

What do the police observe when they see tire tracks?

Know your Math: Measuring is most important!!!

Who ran over The Chief's Petunias?

Let's Discuss it.

### Day 3

#### Morning

Securing the Scene:

Sketching the scene: Importance of measurements, labeling, and creating a legend

Lesson on Observations, Remembering, Listening and Recording an Event

#### Afternoon

Using the gathered information

1st. Viewing the scene,

2nd. Prepare the final draft

3rd. Presentation of the final draft

Let's talk about deductive reasoning

What did we find at the crime scene?

Discussion what might have happened in the room

### Day 4

#### Morning

Let us Watch an episode of CSI....

How do they re-enact what law enforcement operates

Guest speaker

#### Afternoon

Discussion of our morning.

Real case scenario: Fingerprints and Footprints

How do you measure?

What must you observe?

What are the differences?

Lab on Fingerprinting and Footprints

### Day 5

#### Morning

Incriminating Evidence: What a cell can tell

Urinalysis

Bite Marks

DNA Fingerprinting

DNA, what does it mean and how do we use the evidence?

#### Afternoon

Lab DNA Electrophoresis

Preparation of Sample

Run the sample

Interpret the sample

Discussion and Certificates