

CSI Day Camp Worksheets & Resources

General Instructions / Recommendations:

Evidence Labels—print on Avery 5168 type labels (3-1/2" x 5" Shipping Labels) and stick on sandwich sized zip top bags. You could also choose to purchase evidence bags. Prepare/have one evidence bag per person.

My Fingerprint Cards—to be used with fingerprinting lesson as an added or extended activity. Optional, print one per person.

DNA Analysis & Matching—used with DNA Analysis activity. Print one per person.

Handwriting Analysis Chart—2 per page, print and cut in half. Print one 1/2 sheet per person.

Crime Scene Investigation Worksheet—print one per group, used to help record observations and solve the crime.

This CSI Day Camp was developed by Oklahoma STEM Innovators (Kate Wardlaw, Kara Wardlaw, Lauren Guthrie) with guidance from Oklahoma 4-H STEM Specialist Kelly Wardlaw. These activities are based on training they received during the Innovate Leadership Summit from Caitlin Porterfield at the University of Central Oklahoma Forensic Science Institute.

Please contact Kelly Wardlaw, k.wardlaw@okstate.edu, with any questions or comments.



OSU EXTENSION
4-H YOUTH DEVELOPMENT

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Case Name or Number: _____

Evidence Description: _____

Date Collected: _____ Time Collected: _____

Location of Collection: _____

Collected by: _____



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Collected by: _____



OSU EXTENSION
4-H YOUTH DEVELOPMENT

Name: _____

My Fingerprints

There are three basic kinds of fingerprints:



Arch



Loop



Whorl

My Left Hand

Pinky

Ring

Middle

Index

Thumb

My Right Hand

Thumb

Index

Middle

Ring

Pinky

I have _____ Arches _____ Loops _____ Whorls



OSU EXTENSION
4-H YOUTH DEVELOPMENT

Name: _____

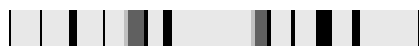
DNA Analysis & Matching

Circle the Suspect DNA sample that matches the evidence collected at the crime scene

 **Evidence A**

 Suspect 1

 Suspect 2

 Suspect 3

 **Evidence B**

 Suspect 1

 Suspect 2

 Suspect 3

 **Evidence C**

 Suspect 1

 Suspect 2

 Suspect 3

 **Evidence D**

 Suspect 1

 Suspect 2

 Suspect 3

 **Evidence E**

 Suspect 1

 Suspect 2

 Suspect 3

 **Evidence F**

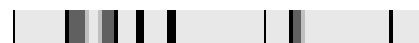
 Suspect 1

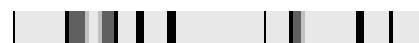
 Suspect 2

 Suspect 3

 Suspect 4

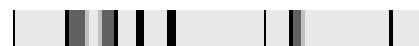
 Suspect 5

 **Evidence G**

 Suspect 1

 Suspect 2

 Suspect 3

 Suspect 4

 Suspect 5

 **Evidence H**

 Suspect 1

 Suspect 2

 Suspect 3

 Suspect 4

 Suspect 5



Name: _____

Handwriting Analysis Chart

Handwriting Sample 1: _____

Handwriting Sample 2: _____

Feature	My Handwriting	Partner’s Handwriting
Slant (left/right/none)	_____	_____
Spacing (wide/narrow)	_____	_____
Pressure (heavy/light)	_____	_____
Shape of letters	_____	_____
Size of letters	_____	_____
Baseline alignment	_____	_____

Name: _____

Handwriting Analysis Chart

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Pressure (heavy/light)	_____	_____
Shape of letters	_____	_____
Size of letters	_____	_____
Baseline alignment	_____	_____

CSI Name: _____

Case File #: _____

Crime Scene Investigation Worksheet

Start by making a sketch of the crime scene on the back of this paper.

Fingerprint Evidence

Analysist: _____

Match?: _____

Print Pattern (circle one):

Loop

Whorl

Arch

Match Suspect #: _____

Notes:

DNA Evidence

Analysist: _____

Match?: _____

Notes:

Handwriting Evidence

Analysist: _____

Match?: _____

What handwriting features did you compare? (circle all that apply)

Slant

Spacing

Letter size

Loops

Line pressure

Notes:

Shoeprint Evidence

Analysist: _____

Match?: _____

Notes:

Other Trace Evidence:

Describe the trace evidence and why it matters:

Did it match a suspect or location? ☐ Yes ☐ No

Explain:

Put together the "story" of the crime. What happened, who did it, what was their motive?



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