Forensic Geology:

Crime Scene: Rocky Woods

Eye witness:

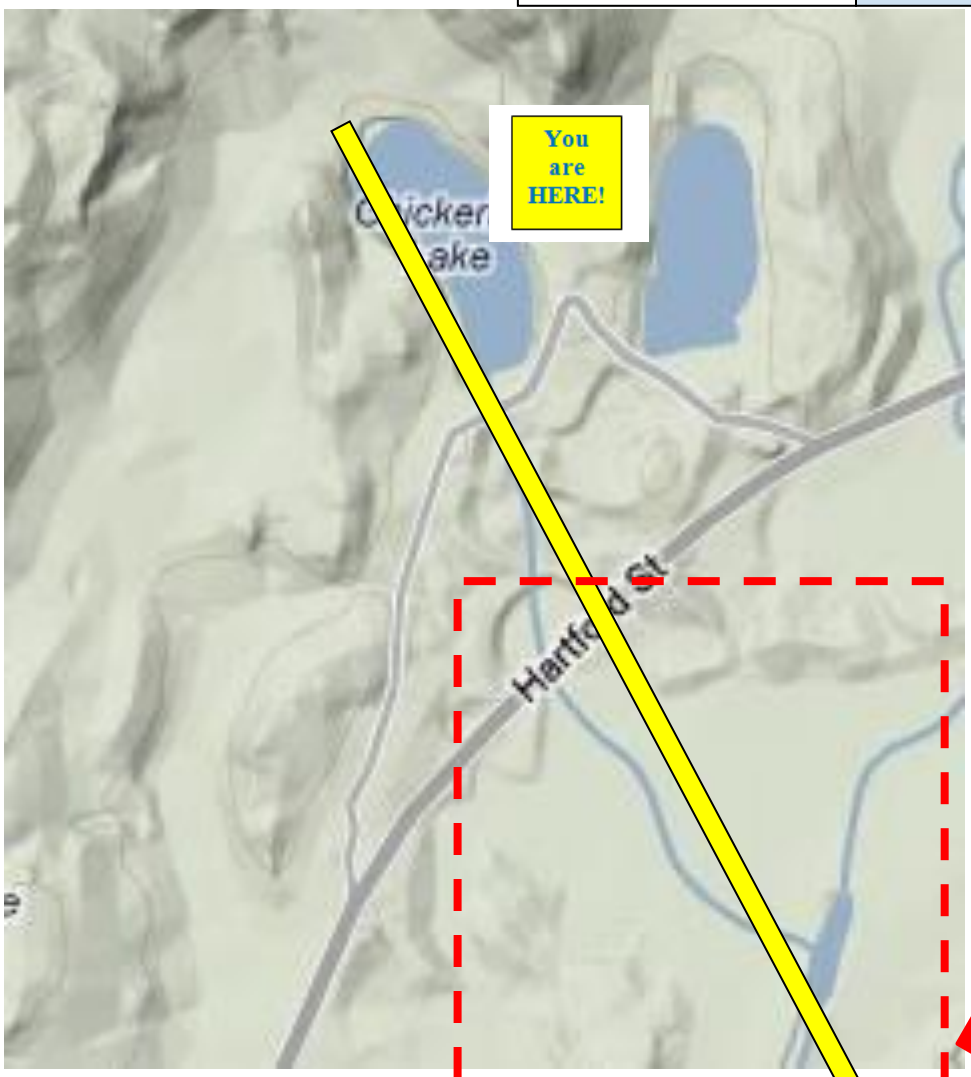
Mrs. Doolan

Forensic Geology:

Crime Scene: Rocky Woods

Take a picture of the crime scene in front of you - this body of water will help us solve the crime!

Paste Picture Here



Place your compass on the caution tape line.

Twist it until the orange arrow lines up with "N" for North.

Take a picture of the compass on the tape line. And paste the picture in the red box – Line up the caution tape in the picture with the yellow line on the page

Label N for North and then label which direction the caution tape points!

Answer the 8 questions posted on trees at this station. You may need to ask the eye witness (Mrs. Doolan) or another chaperone for some information to help you answer (especially questions 2 and 3).

QUESTION 1: Are there any _____ around that feed into this lake?

Answer : _____

QUESTION 2: Towards what direction does the _____ _____?

Answer : _____

QUESTION 3: About how close is the _____and the nearest_____?

Answer : _____

QUESTION 4: Is there a _____ _____ anywhere near this lake?

Answer : _____

QUESTION 5: Is it cold enough here today for a _____to form?

Answer : _____

QUESTION 6: What is the _____ of this body of water here at Rocky Woods?

Answer : _____

QUESTION 7: Do you see any evidence of _____ or _____ or _____ anywhere?

Answer : _____

QUESTION 8: Are there any step-like inclines to indicate_____ _____?

Answer : _____

Forensic Geology:

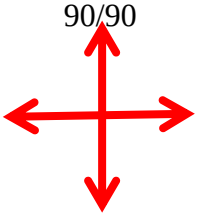
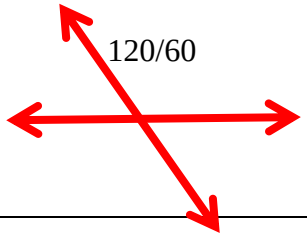
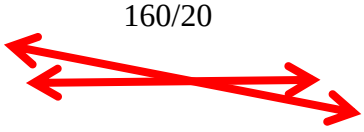
Crime Scene: Rocky Woods

Eye witness:

Mrs. Sperling

Forensic Geology:

Crime Scene: Rocky Woods

Mineral Evidence Testing	
COLOR	Describe Color: *Paste a picture of the mineral here* _____
LUSTER	Metallic Non-metallic Pearly Glassy
STREAK	Color of Streak: *Paste picture of streak test here* _____
HARDNESS	(I can scratch IT with a penny) (IT can scratch glass) 1 ---------- 2 ---------- 3 ---------- 4 ---------- 5 ---------- 6+ (I can scratch IT with my fingernail) (I can scratch IT with porcelain)
Angle of FRACTURE *(Take a picture of the angles you see on the rock and slide to match it to the correct picture on the right*	180 (flakes off in sheets)  90/90  120/60  160/20 

Forensic Geology:

Crime Scene: Cemetery

Eye witness:

Mrs. Caprio

Crime Scene: Dale Street Cemetery

1. TAKE a picture of the crime scene and paste in the space below.
2. TAKE a picture of your compass on the caution tape line –twist the compass so the floating arrow is over N for North – Paste the picture in the space provided so the caution tape in the picture lines up with the yellow line on your page! Label N for North and label which direction the caution tape points!!
3. COMPLETE the checklist below by CHECKING all that apply:

Paste a picture of the exposed bedrock here

(With your science teacher)

Rock Surface:

- ❑ Polished
- ❑ Scratched
- ❑ Fractured

Colors:

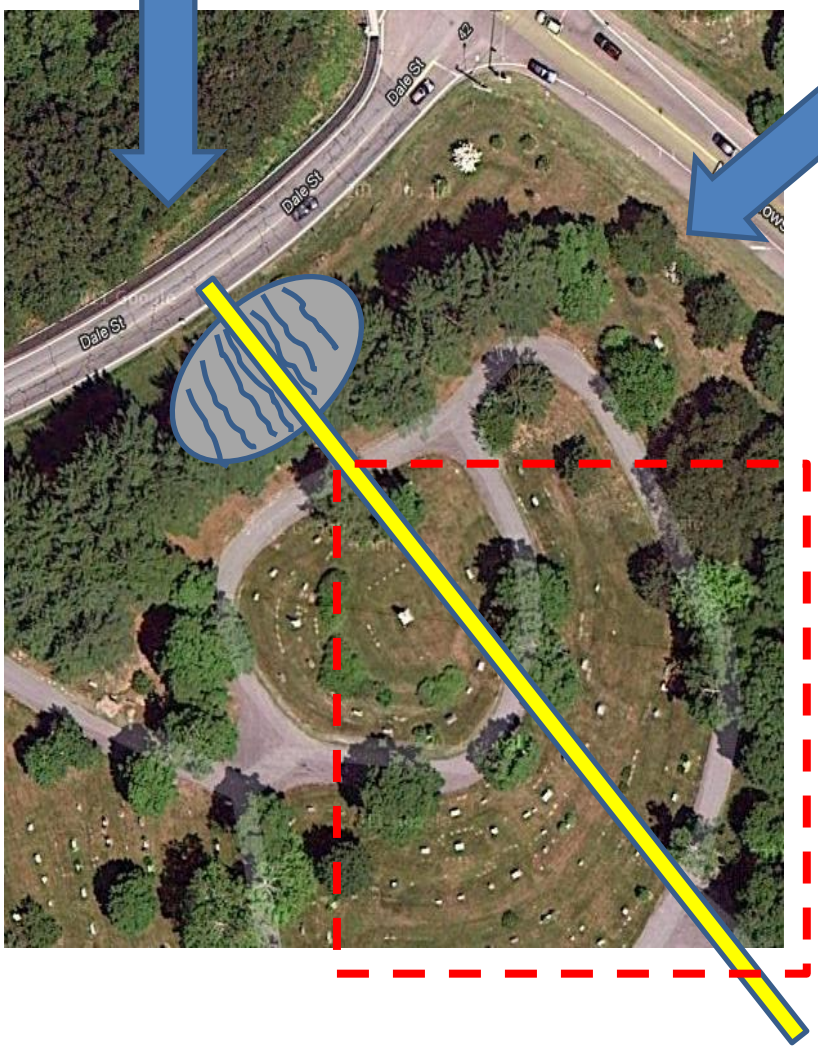
- ❑ White
- ❑ Pink
- ❑ Black
- ❑ Brown
- ❑ Dark gray
- ❑ Light gray

Markings:

- ❑ Parallel lines
- ❑ Perpendicular crossed lines
- ❑ Straight lines
- ❑ Curved lines
- ❑ Deep grooves
- ❑ Shallow grooves

Paste a picture of the exposed bedrock here

(With your science teacher)



Grain Size **(how big the speckles of a rock are)**	☐ Fine-grained (smallest) ☐ Medium-grained ☐ Coarse-grained (biggest)
Overall **Color**	☐ Light Colored ☐ Medium Colored ☐ Dark Colored
Mineral Colors Represented **(check all that apply)**	☐ black ☐ dark gray ☐ light gray ☐ white ☐ pink ☐ light brown ☐ brown ☐ greenish

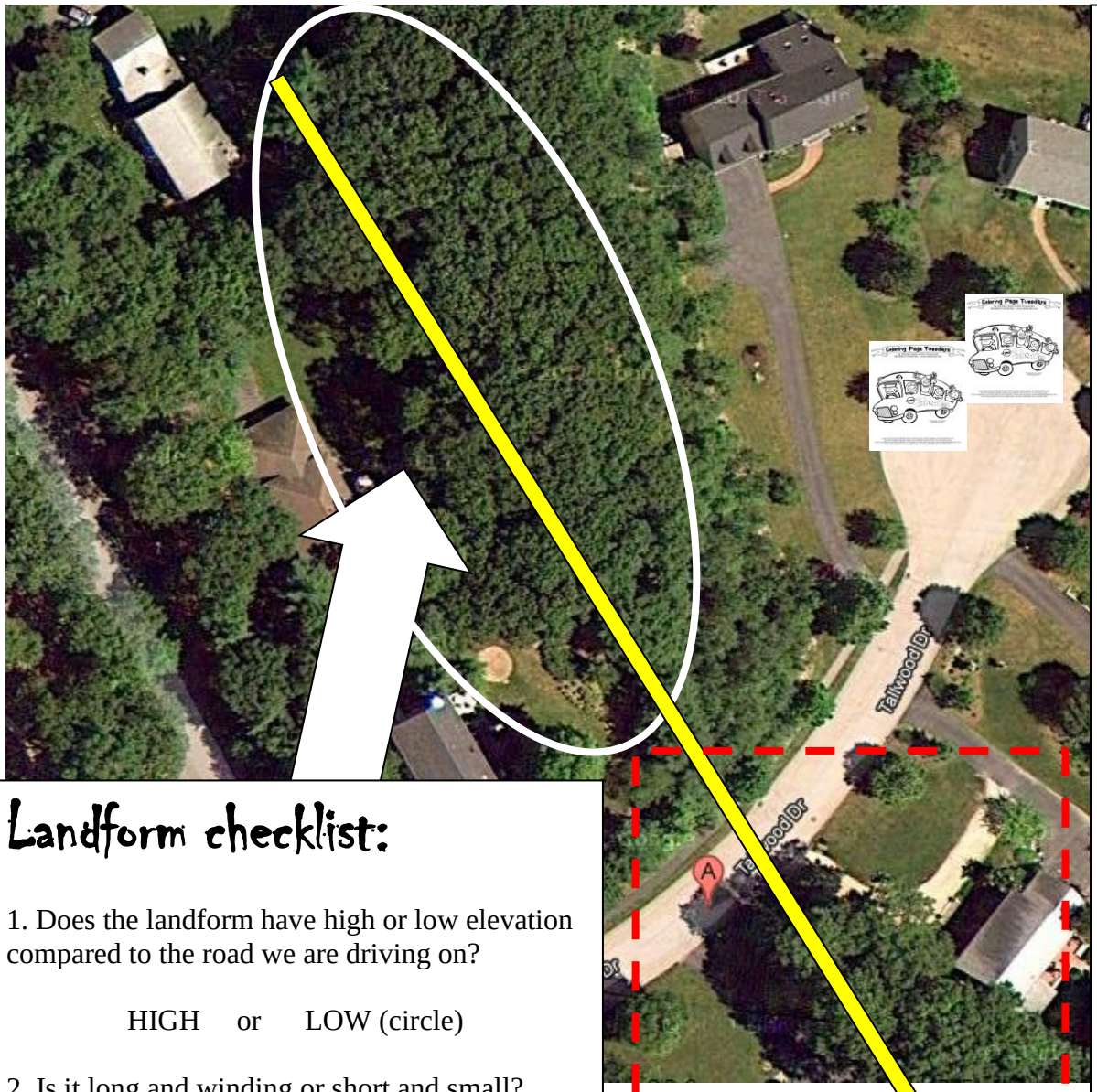
Forensic Geology:

Crime Scene: Tallwood Road

Eye witness:

Ms. Hurley

Crime Scene: Tallwood Road



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Landform checklist:

1. Does the landform have high or low elevation compared to the road we are driving on?

HIGH or LOW (circle)

2. Is it long and winding or short and small?

LONG or SHORT (circle)

3. What agent of erosion could have been powerful enough to make this landform?

_____

4. Look into your slides and see if this looks like anything of the crimes you learned about!

_____

Forensic Geology:

Crime Scene: Tallwood Road

Eye witness:

Ms. Malone

Sediment Data Collection

SIZE OF SEDIMENT:

a.) Place your ruler next to the sediment. Take a picture of a piece of sediment with the ruler next to it.

Paste picture here

b.) Using the ruler, measure in CENTIMETERS (cm) the size of the sediment. Measure from one side to another (almost the diameter of the sediment)

Diameter(ish):_____cm

LEVEL OF WEATHERING :

On a scale of 1-10 CIRCLE how WEATHERED you observe the rock to be.

1 = not weathered
10 = VERY weathered

Tree Data Collection

TREE SELECTION:

Circle the tree type you observe here:

Maple

Palm

Pine

LEAF/NEEDLE SKETCH:

Take a picture of the leaf/needle you observe on this tree:

Paste picture here

Forensic Geology:

Crime Scene: Hopi Ave.

Eye witness:

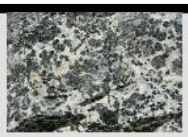
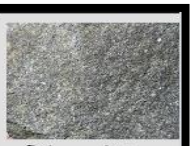
Your science teacher

Forensic Geology:

Crime Scene: Hopi Ave. at Noon Hill

The Rock Type Characterization Chart

Key	 Diorite	 Pink Granite	 Granite	 Granodiorite	 Rhyolite
Take pictures of each sample and slide them to match the key above	*Paste Picture here*	*Paste Picture here*	*Paste Picture here*	*Paste Picture here*	*Paste Picture here*
Grain Size (How big are the specks in the rock?)	☐ Fine-grained (small) ☐ Medium-grained ☐ Coarse-grained (large)	☐ Fine-grained (small) ☐ Medium-grained ☐ Coarse-grained (large)	☐ Fine-grained (small) ☐ Medium-grained ☐ Coarse-grained (large)	☐ Fine-grained (small) ☐ Medium-grained ☐ Coarse-grained (large)	☐ Fine-grained (small) ☐ Medium-grained ☐ Coarse-grained (large)
Mineral Colors Represented (check all that apply)	☐ black ☐ gray ☐ white ☐ pink ☐ Brown ☐ greenish	☐ black ☐ gray ☐ white ☐ pink ☐ brown ☐ greenish	☐ black ☐ gray ☐ white ☐ pink ☐ brown ☐ greenish	☐ black ☐ gray ☐ white ☐ pink ☐ brown ☐ greenish	☐ black ☐ gray ☐ white ☐ pink ☐ brown ☐ greenish

Key	Diorite	Pink Granite	Granite	Granodiorite	Rhyolite
					

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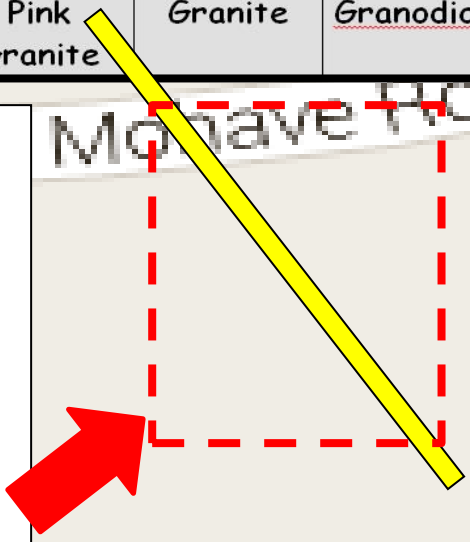

Step 4:
Look at the exposed outcropping of bedrock just off the sidewalk.

Which rock type is it? _____

Step 3:
Look into the wooded area for the largest boulder **Which rock type is it?**

_____

Is that the same or different from the bedrock?

Step 2:
Look into the wooded area for the smaller , unusual boulder. **Which rock type is it?**

_____

Is that the same or different from the bedrock?

Step 1:
Look into the wooded area for the smaller boulder **Which rock type is it?**

_____

Is that the same or different from the bedrock?

_____