
Part I: Watch an Exemplar

Part II: Grouping, Topic Choices, and Brainstorming

1. Form into a group of 5 students with whom you think you'll work well.
2. As a group, decide which of the following topics you'd like to cover in a creative, science-oriented video. No topic may be covered twice in any class period. The group that unanimously chooses a topic first gets it!
 - a. Isotopes and Atomic Mass
 - b. Fission and Fusion
 - c. Half-Life
 - d. Electronegativity and Ionization Energy
 - e. Intermolecular Forces
 - f. Ionic and Covalent Bonding
 - g. Heat Calculations
3. In your group, brainstorm what you think the science video you make could look like. What format will it be, live shots or animation? What visual tools could you use to illustrate your points? Record your thoughts below.

Part III: Beat Sheet

This is the part where you begin beating out your story. Create a bulleted list that outlines your story's major plot points. When I read this beat sheet, I should be able to clearly picture what your finished product will look like.

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 10.

Part IV: Audiovisual Outline

Direction	Audio/SFX	Frame (Screen/Picture)
Description:	Voice Over:	
Movements:	Script:	
Other images:		
Seconds:	SFX:	
Description:	Voice Over:	
Movements:	Script:	
Other images:		
Seconds:	SFX:	
Description:	Voice Over:	
Movements:	Script:	
Other images:		
Seconds:	SFX:	
Description:	Voice Over:	
Movements:	Script:	
Other images:		
Seconds:	SFX:	

Part V: Shot List

Write a shot list for each shot you need to tell your story. For each item in this list, indicate the type of shot (full shot, medium shot, close up, XCU), the setting, and the subject. After that, write a concise description of what action takes place.

Sample

- Shot #1. Full Shot. Restaurant. A woman sits alone in a booth. The only other customer is a man seated at the counter.
- Shot #2. Medium Shot. She glances at her watch.
- Shot #3. Close Up. Watch. The second hand sweeps past the 12. It's dead midnight. Camera tilts up. Rack focus to the door. A man enters.
- Shot #4. Medium Shot. The man spots the woman. Camera tracks as he joins her at the table.
- Shot #5. Medium Shot. The man at the counter. Stirrs his coffee and throws a discreet glance over his shoulder.
- Shot #6. Two Shot. The couple seated opposite one another. The man pulls a coin from his pocket and slides it across the table.
- Shot #7. Medium Shot. The woman picks up the coin and toys with it.
- Shot #8. Close Shot. The coin. Zoom in. It's covered with ancient Chinese characters.

Your Shot List

1.

2.

3.

4.

5.

6.

7.

8.

9.

10.

Part VI: Finally, shoot and edit.

Use all the tools you've created so far to make shooting and editing efficient.
