

DHHS Thunder Video Production

Name:

Period:

Date:

The Camera

1. List and describe the 3 basic parts of a camera. (BODY, LENS, VIEWFINDER)
2. CCD and CMOS are both types of what? (SENSORS THAT CAPTURES LIGHT AND CREATES THE IMAGE)
3. CCD and CMOS sensors convert what 3 colors into electronic information? (RED, GREEN, BLUE)

Camera Movements

4. Name the camera movement that pivots the camera left and right. (PAN)
5. Name the camera movement that pivots the camera up and down. (TILT)
6. Name the camera movement that moves the *entire camera* left and right. (TRUCK)
7. Name the camera movement that moves the *entire camera* in and out. (DOLLY)
8. Name the camera movement that moves the *entire camera* up and down. (CRANE, PEDESTAL)
9. Name the camera movement that moves the *entire camera* in a curve pattern around an object. (ARC)

Camera Composition

10. What is the compositional rule that places key parts of the picture or action on one of the intersections of a tic-tac-toe grid? (RULE OF THIRDS)
11. What is the space between the head and the top of the screen called? (HEAD ROOM)
12. What is the space in front of a static object called? (LEAD ROOM)
13. What is the space in front of a moving object called? (ACTIVE SPACE)
14. What do you call a shot that consists of two people? (TWO SHOT)
15. What composition principle suggests keeping cameras on one side of the action (e.g., football field)? (CROSSING THE LINE) OR (180 DEGREE RULE)

Camera Shots

16. What shot establishes location or setting? (ESTABLISHING SHOT)
17. What shot consists of a broad field of view where the background dominates? (LONG OR WIDE SHOT)
18. What shots shows objects from a medium distance or from the waist up? (MEDIUM SHOT)
19. What is a tightly framed shot where subject is viewed at close range (i.e., just the head)? (CLOSE UP)
20. When using the above shot to film a persons face, what part of a person's face is most important? (EYES)
21. What is an extremely tightly framed shot (i.e., just the eyes)? (EXTREME CLOSE UP)
22. Name the shot that typically shows the front of the primary subject (A) and the back of the head and shoulders of the secondary subject (B); common in dialogue scenes and interviews. (OVER THE SHOULDER SHOTS)
23. Similar to the shot above except the camera-near person is completely out of the shot. (POINT OF VIEW)

Camera Operation

24. What is the term that describes the adjustments to the camera to produce accurate colors both indoors and outdoors; makes white look white? (WHITE BALANCE)
25. What controls the amount of light passing through the lens? (APERTURE or F/STOP) (LENS OPENING)

Camera Supports

26. What is a three-legged camera support? (TRIPOD)
27. What is a one-legged support? (MONOPOD)
28. What is it called when you hold the camera in hand; often results in a shaky image? (CAMERA SHAKE)
29. If you don't have a support (meaning you are handheld), what can you do to reduce camera shake? (ZOOM OUT AND KEEP WIDER ANGLE VIEW)

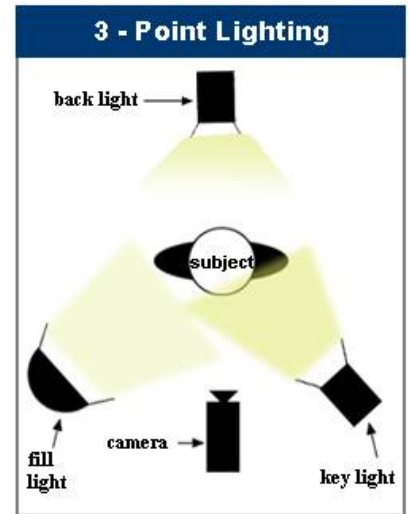
Audio

30. What is the sounds in the background that many times are heard on your video? (AMBIENT SOUND)
31. Microphones convert ____SOUND WAVES____ into ____AUDIO SIGNALS____. Speakers convert ____AUDIO SIGNALS____ to ____SOUND WAVES____.
32. Sudden air blasts or Plosives (pops) can be reduced by using what? (POP FILTERS)
33. What is the device that shows the strength of the audio level? (LINE LEVELS)
34. What does it mean to "Ride the Gain"? (CONTROLLING THE SOUND THROUGHOUT THE PERFORMANCE)



Lighting

1. Identify the different parts of a Three Point Lighting or Triangle Lighting setup:
 - a. Main light source, usually a spot light: (KEY LIGHT)
 - b. Lightens up shadows (falloff), usually a flood light: Separates subject from background, usually a spot light: (FILL LIGHT) (FILLING THE SHADOWS)
 - c. Separates subject from background, usually a spot light: (BACK LIGHT)
2. Silhouettes are created when the light _BEHIND_ the subject is brighter than the light _IN FRONT_ of the subject.
3. When lighting a chroma key (green screen) background, the light should be as _EVEN_ as possible.



Preproduction

4. What is the most important element of a production? (PRE-PLANNING WITH STORY BOARDS)
5. What are the following types of Preproduction:
 - a. Series of sketches showing the key visual points of a planned production (LIKE A COMIC BOOK):
 - b. A list of every shot needed by a particular camera: (SHOT SELECTION)
 - c. A document containing descriptions, actions, expressions, and dialogues of characters and scenes: (SCRIPT)
6. What are the 4 P's of storytelling? (PEOPLE, PLACE, PLOT, PURPOSE)

Postproduction (editing)

7. The most basic editing is done where? (ON CAMERA)
8. Why do we edit? (CUT OUT UNWANTED VIDEO)
9. What marks the beginning and end points of a video sequence? (KEY FRAME)
10. An abrupt cut in the middle of a video clip is known as what? (JUMP CUT)
11. What do you call a visual countdown by seconds at the beginning of a video production; used for cueing the media? (LEADER)
12. What is a transition? (CUT FROM ONE TO THE OTHER)
13. What is the most common transition? (CUT)
14. What transition type slowly replaces one clip with another? (DISSOLVE)
15. What is the term that describes a unique address for each frame of video; broken down by hours, minutes, seconds, and frames? (TIME CODE)
16. What do you call the audio, typically music, that accompanies a film? (SCORE)
17. Most basic Editing Process:
 1. Preview your video clips - 2. Rough Cut the video - 3. Add filters and effects - 4. Tighten things up
 5. Export the video to the correct codec format

Visual Effects & Graphics

18. Name the special effect that removes a specified color. All colored areas are replaced by another video source. Frequently used in weather segments to show the meteorologist standing in front of graphics. (CHROMAKEY or GREEN SCREEN) (usually green but sometimes blue)
19. A graphic/text on the bottom third of the screen that usually provides specific information about the person or image on screen is called what? (SUB TITLES)

Television Standards

20. SD means what? (STANDARD DEFINITION)
21. HD means what? (HIGH DEFINITION)
22. What are the 2 most common resolutions of HD? (720 and 1080)
23. What is the a definition 4x higher than 1080? (4K)
24. What is the standard frame rate for film? (24 FPS or FRAMES PER SECOND)
25. What is the standard frame rate for video? (30 FPS or FRAMES PER SECOND)

Copyright

26. What is copyright infringement? (DON'T STEAL OTHER'S WORK)

Cables and mics (be able to identify these by picture)

Stereo 	Mono 	HDMI 	RCA 
XLR 			
Audio Only	Boom or Shotgun mic	Stick or hand held mic	Lapel or Lavalier mic

Misc. NOTES

27. When exporting your video, what is Codec or Containers? (Video resolutions and format such as .mp4, .mov, or other video formats)