

Advanced Computer Apps 2
Sony (now Magix) Majix Vegas
Video Production Basics

Name: _____

Before we look at the actual software and video editing, let's review some important details about producing videos. The information in this activity can be found at my website, Library Media TV (www.libraryMediaTV.com) at the Easy Video 1-2-3 link. You may also check answers with Internet searches.

PLEASE EXPLAIN YOUR ANSWER TO EARN CREDIT FOR YOUR WORK!

1. Especially when getting started, how should new video producers evaluate the quality of their productions and why.

2. What is a dynamic microphone and when is it the best choice to capture audio?

3. What is a condenser microphone and when is it the best choice to capture audio?

4. What is a shotgun microphone and when is it the best choice to capture audio?

5. What is a ribbon microphone and when is it the best choice to capture audio?

6. Please describe an omnidirectional microphone pick-up pattern & when it is the best choice for video production.

7. Please describe a cardioid microphone pick-up pattern & when it is the best choice for video production.

8. Please describe a hyper cardioid omnidirectional microphone pick-up pattern & when it is the best choice for video production.

9. Please describe a shotgun microphone pick-up pattern & when it is the best choice for video production.

10. Why do professional microphones use 3-pin XLR (low impedance) cables?

11. Why do you need to be careful using adaptors that convert a mini-pin (1/8") or 1/4" cables to convert high impedance (not XLR) microphone inputs to 3-pin XLR?

12. Please why professional studios use 3-point or "rim" lighting? How does this work?

13. Video production is easiest when done with a plan, why?

14. Mr. B's "Easy Video 1-2-3" is based on a three-step process. Please explain how this is applied.
 - A. Planning

B. Production

C. Post-Production

15. How do “A-Roll” and “B-Roll” video differ? Why do professional video producers structure production about these 2 types of raw video?

16. Pros learn that video production is actually “radio with pictures”, meaning that the quality of the sound is what determines whether video/multimedia is effective. This is because most of us will not watch videos that are difficult to listen to, but we will watch videos even when there are problems with the visual presentation.
 - A. What is a noise gate and why is this important when enhancing audio?

B. What is a compression and why is this important when enhancing audio?

C. What is equalization (EQ'ing) and why is this important when enhancing audio?

D. What does it mean to “notch” equalization bands (i.e. 10 band or 20 band EQ) and why is this important?

17. What is a “Chroma Key” (often called “green screening”)? Why is this challenging to do with today’s digital video formats?

18. When you have creating & editing a video, the last step is to “render” it. What does this mean and why can this be a very long process (perhaps several taking hours to render a 45 minute video)?