

# DIGITAL MEDIA

## Essential Equipment & Software

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### FOR TEACHING THE D.M. CURRICULUM IN THE CLASSROOM :

#### 1. COMPUTERS & HARDWARE

- **One computer per student** is necessary
- At least **2 GB of RAM** but 4 GB is better
- Must have **USB, Firewire** inputs
- One pair of **headphones** per computer
- **Data projector or ≥ 50" Television** for software demonstrations

#### 2. SOFTWARE

- **Adobe Creative Suite** (Photoshop, Flash, Premiere, SoundBooth, DreamWeaver, After Effects, Illustrator, InDesign) provides the best opportunities
- Other packages are available, as well as online freeware, but heavily limit classroom capabilities

#### 3. EXTERNAL HARD DRIVES (necessary if computers are on school server)

- At least **500 GB per computer**
- Must **oscillate at least 7200 rev/sec** for video editing
- ★ Online storage is an alternative (Google Drive, DropBox, etc.) but this method limits overall storage and single file upload size

### FOR PRODUCING AND/OR BROADCASTING SCHOOL EVENTS :

★ In Addition to Essentials for Teaching D.M. (Listed Above) ★

#### 1. SOFTWARE

- **For streaming live** : UStream or similar account type and UStream Producer software for adding graphics, video layers, feeds, etc.

#### 2. CAMERAS & TRIPODS

- **≥ 3 Video Cameras** with zoom, white balance, and iris capability, **BNC, RCA, USB or Firewire** outputs (all four outputs is preferred)
- ★ Cameras could be shoulder mount or handheld
- **One tripod per camera**

#### 3. MICROPHONES & STANDS

- **≥ 3 Shure® Omnidirectional** microphones or similar quality brand
- **One microphone stand per microphone**

#### 4. CABLES

- **≥ 100 feet of BNC, RCA, USB, or Firewire cables** depending on camera outputs (RCA will work but BNC is preferred for longer runs)
- **XLR cables** for connecting microphones to audio board
- **RCA ⇒ Mini cable** for capturing audio with computer

#### 5. AUDIO BOARD AND SWITCHER

- **Audio Board with ≥ 3 inputs** for microphone input / output to computer
- **Video switcher with ≥ 3 inputs** for switching between cameras
- **USB or Firewire output** to feed into computer for streaming / capturing

#### 6. PROFESSIONAL LIGHT KIT(S) AND GREEN SCREEN FOR CHROMA KEYING & INTERVIEWS