

---

### Written and Performance Exam General Overview

- The intent of this exam is to assess your ability to teach the skills found in the Massachusetts Technical Education Framework.
- This exam is aligned to the frameworks which can be accessed [here](#).
- Many questions and tasks require a synthesis of knowledge based on experience in the field and may not be found in any book.
- Candidates are encouraged to prepare for their exam by reviewing textbooks and reference material which has been listed as part of this exam outline. These resources can be found using online search tools, online vendors, and websites.
- Contact the Technical Teacher Testing Office if you need further assistance in locating resources listed in the exam outline.
- Use this exam outline and the Massachusetts Technical Education Framework to focus your preparation for the exam.

### Written Exam

- Number of Questions: 100
- Administration Time: 3 hours
- Administration Method: Remote Proctoring Online Session

### Written Exam Content Coverage

---

<b>4%</b>	<b><i>Health and Safety</i></b>
<b>25%</b>	<b><i>Fundamentals of Cinema and Video Production</i></b>
<b>10%</b>	<b><i>Fundamentals of Audio Production</i></b>
<b>10%</b>	<b><i>Fundamentals of Broadcast Journalism</i></b>
<b>5%</b>	<b><i>Fundamentals of Photography</i></b>
<b>14%</b>	<b><i>Studio and Field Equipment Use</i></b>
<b>8%</b>	<b><i>Aspects of Pre-Production</i></b>
<b>4%</b>	<b><i>Aspects of Production</i></b>
<b>20%</b>	<b><i>Aspects of Post-Production</i></b>

## Written Exam Reference Materials (Reference Current Edition)

---

- **The Media of Mass Communication** by John Vivian (Pearson)
- **Production Safety for Film and Television** by Robin Small (Routledge)
- **Video Basics** by Herbert Zettl (Cengage)
- **Television Production and Broadcast Journalism** by Phillip Harris (Goodheart-Willcox)

## Materials Needed for the Written Exam

---

- A four-function calculator is included in the online testing system. No other calculators are permitted.
- Scrap paper and pencil/pen are permitted.

## Written Exam Sample Items

---

Each question on the exam consists of one incomplete sentence or question followed by four choices. Some items reference an image or diagram. A few sample items are included below; the correct answer is designated with an asterisk (\*).

Which of the following separates the Y and C signals and treats the luminance and color as separate signals?

- a. Analog VTR system
- \*b. Y/C component system
- c. Composite system
- d. Nonlinear storage system

A cutaway shot is:

- a. a key element in the action of a scene.
- \*b. used to bridge jump cuts.
- c. usually a wide angle shot.
- d. jarring to the audience.

## Performance Exam

- Administration Time: 4 hours
- Administration Method: Onsite at an approved Teacher Testing Location

### Performance Exam Content Coverage

---

- 16% Editing**
- Edit and assemble a three-minute video using multiple audio, video, and graphic tracks.
- 33% Cameras**
- Identify the components of cameras, the lens, set up and calibrate and the rules of composition.
- 11% Audio Mixers and Microphones**
- Identify and set-up audio for a studio/field shoot. Use audio mixers in the control room.
- 5% Monitor, Projector, Computer Connections and DVD Operation**
- Identify and perform the operations functions and connections of monitors/projectors/computers and DVD player.
- 14% Control Room**
- Set up and explain the control room for a studio shoot.
- 16% Lighting Equipment**
- Identify, assemble, and use brand-specific ENG lighting.
- 5% Safety**

**NOTE:** Candidates should have a working knowledge of Final Cut Pro and Adobe Premier Pro for the editing portions of the exam.

### Candidate-Supplied Materials Required for the Performance Exam

---

- Face mask (cotton face covering or respirator which fully cover the nose and mouth)
- Personal Protective Safety Glasses
- Disposable Gloves

**Note:** No books or notes will be allowed. Cell phones are prohibited during the exam administration.

The following equipment or an equivalent version will be supplied for use by the candidate during the exam administration.

#### Cameras

- Nikon D7100
- JVC HD GY-HM150u
- Canon XF105
- Canon C100
- Sony XD CAM EX
- Sony HDR-AX 2000
- Canon DSLR T5i

#### Video Switcher

- Tricaster 400 & Tricaster Mini
- Broadcast Pix

#### Lights

- Various lighting equipment will be available.

### Onsite Performance Exam Requirements

---

- Candidate must practice social distancing and wear the appropriate face covering that covers the nose and mouth while at the exam site.
- Testing sites may have individual requirements based on location and the current guidance from the Center for Disease Control and Prevention (CDC).

### Performance Exam Reference Materials (Reference Current Edition)

---

- **The Media of Mass Communication** by John Vivian (Pearson)
- **Production Safety for Film and Television** by Robin Small (Routledge)
- **Video Basics** by Herbert Zettl (Cengage)
- **Television Production and Broadcast Journalism** by Phillip Harris (Goodheart-Willcox)