

Massachusetts Technical Teacher Testing Program

Painting and Design Technologies Content Outline

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

15% Fundamentals of Health and Safety

35% Finishes

- Properties of Paints and Coverings
- Surface Preparation
- Finish Applications

10% Drywall Finishing

- Fundamentals and Practices

15% Fundamentals of Interior Design

- Housing
- Architecture
- Furnishings
- Color Theory

7% Decorative Finishes

- Fundamentals and Practices

10% Wallcovering

- Fundamentals and Practices

3% Sign Making and Mural Art

5% Project Management

- Architectural Drawings
- Project Estimating

Written Exam Reference Materials (Reference Current Edition)

- **Painting and Decorating Encyclopedia** by William Brushwell (Goodheart-Willcox)
- **Painting and Decorating Craftsman Manual and Textbook** (Painting and Decorating Contractors of America)
- **Painting and Decorating Contractors of America Estimating Guide** (Painting and Decorating Contractors of America)

Painting and Decorating Contractors of America

3913 Old Lee Highway, Suite 33-B

Fairfax, VA 22030

703-359-0826

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 (*).

Joint tape is usually supplied in ___ inch wide rolls?

- a. 1 $\frac{3}{4}$ "
- b. 2"
- c. 2 $\frac{1}{2}$ "
- *d. 3"

The color harmony that is based on a single hue of the color wheel is:

- *a. monochromatic.
- b. analogous.
- c. complementary.
- d. triad

Performance Exam

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

Performance Exam Content Coverage

- 16%** ***Exterior Painting***
- 16%** ***Interior Painting***
- 16%** ***Wallcovering***
- 7%** ***Wood Finishing***
- 4%** ***Color Mixing***
- 7%** ***Graphics***
- 5%** ***Spray Paint***
- 8%** ***Drywall Taping/Repair***
- 8%** ***Estimating/Blueprints***
- 8%** ***Interior Design*** (Sample board will be provided)
- 5%** ***Faux Finishing***
- 5%** ***Safety***

Materials Required for the Performance Exam (Candidate Must Supply)

- Face mask (cotton face covering or respirator which fully cover the nose and mouth)
- Nitrile Disposable Gloves
- Safety Glasses
- Face Shield
- Spray Respirator
- Spray Gun
- Industry-Approved Work Attire
- Industry-Approved Work Shoes (no sneakers)
- Pen and/or Pencil
- Calculator

Notes: All tools and materials necessary to successfully complete this exam will be available at the exam site, however, candidates have the option of bringing/using any of their own personal tools and/or equipment. Workstations will be provided for each assigned task. Some workstations will be shared on a rotational basis. No books or notes will be allowed. Cell phones are prohibited during the exam administration.

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)

- **Housing and Interior Design** by Evelyn L. Lewis and Carolyn Turner Smith (Goodheart-Willcox)
- **Safety Orientation** by NCCER (Pearson Prentice Hall) www.crafttraining.com
- **OSHA Regulations** www.osha.gov
 - [1910.1200 - Hazard Communication](#)
 - [1910 Subpart I - Personal Protective Equipment](#)