

# Milford Mill Academy

3800 Washington Avenue

Windsor Mill, MD 21244

## Building & Construction Technology

### 2024-2025 Assessment Guidelines

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#### Eligibility

**Applications must be submitted on or before 1 p.m. on Friday, November 3, 2023.** Applications can be accessed from the [BCPS Magnet Programs' Web site \(www.tinyurl.com/BCPSMagnet\)](http://www.tinyurl.com/BCPSMagnet) beginning at 12:00 noon on Tuesday, September 12, 2023. Late applications are not processed.

Applicants must attend and complete the assessment for the program to which they applied. Failure to do so will disqualify the applicant; and admission into the magnet program will be denied.

Applicants may only assess for the program(s) to which they applied. Assessments completed for a program not selected on the application will not be scored.

Documented testing accommodations, as appropriate to the assessment, will be provided. Education plans for students not currently attending a BCPS school must be submitted with the magnet application.

#### Assessment Scheduling

Assessments must be scheduled through the online application system when the application is submitted.

***Failure to attend an assessment WILL result in disqualification.***

If there are scheduling conflicts with other magnet assessments, parents must contact the Magnet Programs' office by no later than November 8, 2023.

It is the responsibility of the parent(s) to:

- ensure the applicant attends the assessment on the scheduled date and time.
- ensure the applicant brings the required materials to the assessment.
- contact the schools immediately if an unforeseen illness or emergency occurs.

**Unforeseen Illness or Emergency:** If the applicant cannot attend or complete the scheduled assessment due to an unforeseen illness or emergency, **please immediately contact Milford Mill Academy at (443) 809-0660.** Please be aware that assessments will not be rescheduled without documentation verifying the illness or emergency. Documentation must be provided to the school within 72 hours of the illness or emergency.

**Inclement Weather:** If school activities are cancelled due to inclement weather, magnet assessments will be postponed. Postponed assessments will occur on the designated inclement weather date. All emergency closing and cancellation information will be posted on the BCPS automated information line, (443) 809-5555. Closings and cancellation announcements may also be made through local media.

#### Academic Integrity

By taking the BCPS magnet assessments, applicants agree NOT to participate in any of the following activities. Violation of this agreement may result in disqualification:

- Submitting, copying, or attempting to copy another's work, including plagiarizing another's words or ideas
- Using or attempting to use unauthorized materials and/or technology
- Falsifying information in an academic exercise
- Assisting another in academic dishonesty

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**Assessment Overview**

**Magnet Coordinator(s):** Tyshon Brown

(443) 809-0660

thenderson2@bcps.org

**Assessment Date(s):** **Saturday, Dec. 16, 2023 @ 8 a.m. - 12 p.m.**

Applicants must arrive 15 minutes prior to assessment start time

*Inclement Weather Date: Wednesday, Dec. 20, 2023 (5-8 p.m.)*

*Assessments are by appointment only. Assessments must be scheduled by Nov. 8, 2023.*

**Assessment Duration:** Assessments are not timed but generally take 1.5 hours

**Assessment Description:** Applicants will be given a multiple-choice test consisting of 20 reading comprehension questions, 20 writing questions, and 10 Magnet-related questions about construction safety. Applicants will also complete an interview.

**On-Site Registration**

- **Arrival:** Applicants should arrive 15 minutes prior to the appointment time and will register in the main lobby. Applicants arriving more than 15 minutes after the scheduled appointment time will not be allowed into the testing area.
- **Accompaniment Information:** Applicants should be accompanied by at least one parent. Parents may remain in the building during the assessment or return to the school within 1.5 hours.
- **What to Bring (see Preparing for the Assessment below for details):**
  - All materials will be provided

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**Assessment Components & Self Evaluation**

Evaluation Component	Scoring	My Information	Point Values
Grade Average 2.5 (B) average or higher preferred	2.5 (B) average or higher=5 pts each Less than 2.5 (B) average=0 pts each	English/Lang. Arts Avg: ____ Social Studies Avg: ____ Math Avg: ____ Science Avg: ____	____ / 5 pts ____ / 5 pts ____ / 5 pts ____ / 5 pts
Attendance 94% preferred	Total unexcused absences in prior year + Unexcused absences in first quarter/trimester of current year 14 days or less=10 pts More than 14 days=0 pts	Total unexcused absences in prior year (all quarters/trimesters) = ____ days + Unexcused absences in current year (first quarter/trimester only) = ____ days Total unexcused absences = ____ days	____ / 10 pts
Interview	Applicant may earn up to 20 pts	To be determined on scheduled assessment date	20 pts
Magnet Test	Applicant may earn up to 10 pts	To be determined on scheduled assessment date	10 pts
Reading Test	Applicant may earn up to 20 pts	To be determined on scheduled assessment date	20 pts
Writing Test	Applicant may earn up to 20 pts	To be determined on scheduled assessment date	20 pts
<b>TOTAL</b>			____ / 100 pts

**Academic Evaluation:** The Academic Evaluation is conducted by BCPS Magnet Programs staff using the applicant's report cards. See below for a description of the grade calculation method. The chart below is for reference only and should not be submitted with assessment or application materials.

**How to Calculate Grade Averages:**

Convert marking period letter grades to points (A=4, P=4, B=3, C=2, D=1, E/F=0).

Then divide by the number of marking periods.

Alternate grading scales and/or weighted grades will not be used in calculating Grade Averages.

Subject	Last year's Report Card 1 <sup>st</sup> marking pd. grade/points	Last year's Report Card 2 <sup>nd</sup> marking pd. grade/points	Last year's Report Card 3 <sup>rd</sup> marking pd. grade/points	Last year's Report Card 4 <sup>th</sup> marking pd. grade/points (if applicable)	Current year's Report Card 1 <sup>st</sup> marking pd. grade/points	Total Points	Total Marking Periods (4 or 5)	Grade Average (Total pts ÷ Total Marking Periods)
English/Lang Arts								
Math								
Science								
Social Studies								

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**Preparing for the Assessment**

Applicants will be given a multiple-choice test consisting of 20 reading comprehension questions, 20 writing questions, and 10 Magnet-related questions about construction safety. Applicants will also complete an interview.

**Interview:**

Applicants will complete an interview and be scored on Responses, Clarity of Goals, Language, and Communication Skills using a standardized rubric.

**Magnet Specific Assessment:**

Applicants will be given a multiple-choice test consisting of approximately 10 questions specific to their selected program.

**Reading and Writing Assessments:**

Applicants will be given a multiple-choice test consisting of approximately 20 reading comprehension questions and 20 writing questions (see sample questions below).

## Sample Questions

**Magnet Sample Questions:**

1. Select the best estimate for each of the following:  $4,249 \times 71$ 
  - a. 300,000
  - b. 150,000
  - c. 28,000
  
2. Subtract the following:  $\frac{5}{6} - \frac{1}{4}$ 
  - a.  $\frac{2}{3}$
  - b.  $\frac{7}{12}$
  - c.  $\frac{3}{4}$
  - d.  $\frac{21}{17}$
  
3. Which of the following statements describes an advantage of using ceramic roof tiles instead of asphalt shingles in tropical climates?
  - a. Ceramic tiles are less brittle.
  - b. Ceramic tiles absorb more water.
  - c. Ceramic tiles are more lightweight.
  - d. Ceramic tiles absorb less heat energy.
  
4. Which of the following practices is unsafe when using a drill press to make a hole through a piece of wood?
  - a. sharpening the bit before drilling
  - b. running the drill at a constant speed while drilling
  - c. removing the wood chips with a brush after drilling
  - d. holding the wood in place with one hand while drilling

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### Magnet Sample Answers:

1. a      2. b      3. d      4. d

### Reading Sample Questions:

Smoking has been proven dangerous to people's health, yet many continue to smoke for various reasons. For young people, smoking often represents maturity and individuality. Many smoke as a way to reduce tension. In addition, the regular smoker becomes addicted psychologically and physically to the nicotine in cigarettes.

1. The main idea of the passage is:
- Smoking has been proven dangerous to people's health in various ways.
  - Regular smokers become addicted to nicotine.
  - Although smoking is dangerous, people continue doing it for various reasons.
  - Nicotine is what smokers become addicted to, both psychologically and physically.

For questions 2 and 3, use the logic of the answer to the question that follows each sentence to help you choose the meaning of the words in *italics*.

2. The lizard was so *lethargic* that I was not sure if it were alive or dead. It didn't even blink. (How active was this lizard?) *lethargic* means:
- inactive
  - green
  - big
3. After the accident, I was angered when the other driver told the police officer a complete *fabrication* about what happened. He made it seem that I was the only person at fault. (How truthful was the other driver's information?) *fabrication* means
- description
  - lie
  - confession

### Reading Sample Answers:

1. c      2. a      3. b

### Writing Sample Questions:

Underline the word in the parentheses that correctly completes each sentence.

- The seal slipped through the (hole, whole) in the ice.
- Chico is (learning, teaching) me Spanish.
- No one could (have, of) known about the secret key.
- That hot chocolate tastes unusually (good, well).
- Put the packages down (hear, here).

### Writing Sample Answers:

1. hole      2. teaching      3. have      4. good      4. here