

SOLLERS POINT HIGH SCHOOL

1901 Delvale Road
Dundalk, MD 21222

Career and Technology Education Programs

The Career and Technology Education (CTE) programs are a sequence of courses in a specified career pathway, requiring a minimum of four credits. Students who complete a CTE program in most career pathways are eligible for articulated community college credit.

BCPS Magnet Transportation Information: *Sollers Point Technical High School (Southeast Area) All programs at Sollers Point are half-day. Transportation is only provided for students who will also attend Chesapeake, Dundalk, Kenwood, Overlea, Patapsco, or Sparrows Point High School.*

Magnet Showcase Event: *Wednesday, October 17, 2018 6-8 p.m. General Sessions at 6:30, 7:00, & 7:30 p.m.*

2019-2020 Assessment Guidelines

(For all programs except Culinary Arts and Baking & Pastry)

Magnet Coordinator: Elizabeth Billingslea (443) 809-7075 ebillingslea@bcps.org

Assessments Date: Wednesday, December 5, 2018 5:00 – 8:00 pm

All Assessments by Appointment only.

Individual assessment appointments must be scheduled no later than Wednesday, November 21, 2018. Schedule your appointment online at the BCPS Magnet Programs' Web site (www.tinyurl.com/BCPSMagnet) or call BCPS Magnet Programs at 433-809-4127 (NOT BOTH).

Unforeseen Illness or Emergency: Parent(s) must inform the school immediately if the applicant cannot attend or complete the scheduled assessment due to an unforeseen illness or emergency. Please be aware that assessments will not be rescheduled without documentation verifying the illness or emergency.

Inclement Weather Date/s: December 6, 2018

Inclement Weather: In the event that 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. Closing and cancellation announcements may also be made through local media.

Directions to Sollers Point:

- From North via Beltway (I-695)
- Exit 39 (Merritt Boulevard & Dundalk, proceed about 1.5 miles, or 5 traffic lights, to the intersection Merritt Boulevard and Holabird Avenue.
- Turn right onto Holabird Avenue.
- Follow Holabird Avenue 0.6 miles to Bayard Avenue.
- Turn left on Bayard Avenue.
- Follow Bayard Avenue to the end. Enter school parking lot



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Prior to the Assessment

This is **SUGGESTED**, but **NOT REQUIRED** to be completed prior to coming to the audition.

Self-Evaluations will NOT be collected.

Complete the Applicant Self-Evaluation form included with these guidelines for your own information.

Prior to attending the assessment, student applicants may want to review:

- **Language Arts Concepts:** identifying main idea, answering questions based upon a reading passage, inference, vocabulary in context, grammar, and punctuation.
- **Math Concepts:** basic operations with fractions, solving equations, writing equations of lines, and analyzing simple lab results.
- **Science Concepts:** experimental design, laboratory equipment, cell theory, etc.

Please see page 4-8 for more specific review information.

On the Day of the Assessment

Students will be allowed 45-minutes for the assessment.

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

- Ensure that the applicant attends the assessment on the scheduled date and time.
- **Contact Sollers Point Technical High School at (443) 809-7075, if the applicant cannot attend or complete the scheduled assessment due to an unforeseen illness or emergency.** Phone and email messages may be sent to the school on the day and evening of the assessment; however, they will not be addressed until after the evening of the assessment.
- Be aware that assessments will not be rescheduled without official documentation verifying the illness or emergency.
- Be aware that parents will not be permitted in the registration or testing areas. Parents can choose to wait in the auditorium or drop off their student and return for pick up in approximately 45-minutes after the assessment appointment.

Failure to attend an assessment WILL result in disqualification.

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Registration Information

Individual assessment appointments must be scheduled no later than Wednesday, November 21, 2018. Schedule your appointment online at the BCPS Magnet Programs' Web site (www.tinyurl.com/BCPSMagnet) or call BCPS Magnet Programs at 433-809-4127 (NOT BOTH).

Applicants must attend the school-based assessment for the program to which they applied.

Applicants should arrive 15 minutes prior to their scheduled assessment time.

Applicants should be accompanied by at least one parent. On average, the entire assessment takes approximately 45 minutes. Parents are encouraged to stay during the assessments.

Failure to attend an assessment WILL result in disqualification.

Documented testing accommodations, as appropriate to the assessment, will be provided.
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Assessment Description

All programs except for Culinary Arts and Baking & Pastry*

Please bring a calculator and two #2 pencils to the assessment.

The Career and Technology Education (CTE) assessment is comprised of a three parts:

Part 1: Reading Comprehension (15 points)

Applicants will read a short article and several sentences in order to respond to 15 questions that require prior knowledge and are based on reading concepts that students are expected to know by the end of the first quarter of Grade 8. Each correct response will receive 1 point for a total of 15 possible points.

Part 2: Math (15 points)

Applicants will respond to 15 questions related to Mathematics. Responses require prior knowledge and are based on what students are expected to know by the end of the first quarter of Grade 8. Each correct response will receive 1 point for a total of 15 possible points.

Part 3: Science (15 points)

Applicants will respond to 15 questions related to Science concepts and vocabulary such as:

- safe use of laboratory equipment
- experimental design
- co-evolution and symbiosis
- nutrition
- cell theory
- reading graphs
- natural selection

Responses require prior knowledge and are based on what students are expected to know by the end of the first quarter of Grade 8. Each correct response will receive 1 point for a total of 15 possible points.

***Please see Centralized Assessment Guidelines for Culinary Arts and Baking & Pastry assessment description.**

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Math Concepts

Charts, Grids, and Measurements:

Students should be able to interpret charts, grids, and measurements to:

- Answer questions
- Tabulate amounts
- Identify readings

Sample Mathematics Problems

- 1.) Solve the following: $\frac{1}{4} + \frac{1}{5}$
- 2.) Solve the following: $\frac{4}{5} - \frac{3}{7}$
- 3.) Solve the following: $\frac{3}{10} \div \frac{6}{5}$
- 4.) Determine the 7th term of the sequence. -10, -6, -2, 2, . . .
- 5.) Evaluate $6 \div (2 + 1) \cdot 3 - 9$
- 6.) Solve for x: $-8x + 4 = 20$
- 7.) Solve for z: $\frac{3}{4}z + 2 = 8$
- 8.) Solve for a: $4a - 2 = 2a + 8$
- 9.) Solve for x: $\frac{2}{5} = \frac{4}{x}$
- 10.) The cost to enter a carnival is \$5.00. Each ride at the carnival costs \$0.50. The cost to enter the carnival and for x number of rides is \$7.50. Write an equation that models this situation.
- 11.) What is the slope of the line joining (4, 5) and (-3, 2)?
- 12.) Find the equation of the line with slope of 4 that passes through the point (0, -6).
- 13.) Find the equation of the line with slope of 5 that passes through the point (2, 4).
- 14.) Find the equation of the line containing the points (2, 6) and (4, 0).

Sample Mathematics Problems Solutions

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1.) Solve the following: $\frac{1}{4} + \frac{1}{5}$

$$\frac{1}{4} + \frac{1}{5} = \frac{5}{5} \cdot \frac{1}{4} + \frac{4}{4} \cdot \frac{1}{5} = \frac{5}{20} + \frac{4}{20} = \frac{9}{20}$$

2.) Solve the following: $\frac{4}{5} - \frac{3}{7}$

$$\frac{4}{5} - \frac{3}{7} = \frac{7}{7} \cdot \frac{4}{5} - \frac{5}{5} \cdot \frac{3}{7} = \frac{28}{35} - \frac{15}{35} = \frac{13}{35}$$

3.) Solve the following: $\frac{3}{10} \div \frac{6}{5}$

$$\frac{3}{10} \div \frac{6}{5} = \frac{3}{10} \cdot \frac{5}{6} = \frac{15}{60} = \frac{1}{4}$$

4.) Determine the 7th term of the sequence. -10, -6, -2, 2, ...

Pattern increases by 4

-10, -6, -2, 2, 6, 10, 14

The 7th term is 14.

5.) Evaluate $6 \div (2 + 1) \cdot 3 - 9$

Use order of operations (PEMDAS)

$$6 \div (2 + 1) \cdot 3 - 9$$

$$6 \div 3 \cdot 3 - 9$$

$$2 \cdot 3 - 9$$

$$6 - 9$$

$$-3$$

6.) Solve for x: $-8x + 4 = 20$

$$-8x + 4 = 20$$

$$-8x + 4 - 4 = 20 - 4$$

$$-8x = 16$$

$$\frac{-8x}{-8} = \frac{16}{-8}$$

$$x = -2$$

7.) Solve for z: $\frac{3}{4}z + 2 = 8$

$$\frac{3}{4}z + 2 = 8$$

$$\frac{3}{4}z + 2 - 2 = 8 - 2$$

$$\frac{3}{4}z = 6$$

$$\frac{4}{3} \cdot \frac{3}{4}z = 6 \cdot \frac{4}{3}$$

$$z = \frac{24}{3}$$

$$z = 8$$

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8.) Solve for a: $4a - 2 = 2a + 8$

$$\begin{aligned}4a - 2 &= 2a + 8 \\4a - 2 + 2 &= 2a + 8 + 2 \\4a &= 2a + 10 \\4a - 2a &= 2a - 2a + 10 \\2a &= 10 \\ \frac{2a}{2} &= \frac{10}{2} \\a &= 5\end{aligned}$$

9.) Solve for x: $\frac{2}{5} = \frac{4}{x}$

$$\begin{aligned}\frac{2}{5} &= \frac{4}{x} \\(x) \frac{2}{5} &= \frac{4}{x} (x) \\ \frac{2x}{5} &= 4 \\ \left(\frac{5}{2}\right) \frac{2x}{5} &= 4 \left(\frac{5}{2}\right) \\x &= \frac{20}{2} \\x &= 10\end{aligned}$$

10.) The cost to enter a carnival is \$5.00. Each ride at the carnival costs \$0.50. The cost to enter the carnival and for x number of rides is \$7.50. Write an equation that models this situation.

$$5.00 + 0.50x = 7.50$$

11.) What is the slope of the line joining (4, 5) and (-3, 2)?

$$\frac{y_2 - y_1}{x_2 - x_1} = \frac{2 - 5}{-3 - 4} = \frac{-3}{-7} = \frac{3}{7}$$

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Find the equation of the line with slope of 4 that passes through the point (0, -6).

$$m = 4$$

$$(0, -6) \rightarrow b = -6$$

$$y = mx + b$$

$$y = 4x + b$$

$$y = 4x - 6$$

12.) Find the equation of the line with slope of 5 that passes through the point (2, 4).

$$m = 5$$

$$y = mx + b$$

$$y = 5x + b$$

Substitute in the points (2, 4) and solve for b.

$$4 = 5(2) + b$$

$$4 = 10 + b$$

$$b = -6$$

$$y = 5x - 6$$

13.) Find the equation of the line containing the points (2, 6) and (4, 0).

Find the slope.

$$\frac{y_2 - y_1}{x_2 - x_1} = \frac{0 - 6}{4 - 2} = \frac{-6}{2} = \frac{-3}{1} = -3$$

$$y = mx + b$$

$$y = -3x + b$$

Substitute in one of the points and solve for b.

$$(2, 6)$$

$$6 = -3(2) + b$$

$$6 = -6 + b$$

$$b = 12$$

$$y = -3x + 12$$

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Magnet Application Deadline

Friday, November 16, 2018

Applications are available on the BCPS Magnet Programs' Web site (www.tinyurl.com/BCPSMagnet) beginning at 12:00 noon on Monday, September 17, 2018. Applications must be submitted on or before **Friday, November 16, 2018**. Late applications are not processed.

You are encouraged to **apply online** on the BCPS Magnet Programs' Web site (www.tinyurl.com/BCPSMagnet) or **submit a paper application**.

- **Online applications** may be submitted until 1:00 p.m. on Friday, November 16, 2018. To apply online, you will need an active email account
- **Paper applications** must be postmarked on or before Friday, November 16, 2018.

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APPLICANT SELF-EVALUATION

DO NOT include this worksheet with your application.

Important: All applications must be postmarked by the application deadline of **Friday, November 16, 2018**. Incomplete applications will not be considered for admission.

Magnet Program	Evaluation Components
Academy of Health Professions (AHP) Automotive Service Technology (AST) Biomedical Sciences (BMS) Building and Construction Technology (BCT) Cosmetology (COS) Diesel Truck and Power Systems (DT&PS) Information Technology –Computer Science (CS) Information Technology – Networking Pathway (NET)	<ul style="list-style-type: none"> ✓ B average (2.5 or better) in English/Language Arts, Mathematics and Science ✓ Satisfactory Attendance (94% or higher) ✓ Performance on Reading/Math/Science Test (all programs (except for Culinary Arts and Baking & Pastry)

*See Centralized Assessment Guidelines for Culinary Arts and Baking & Pastry for assessment information

Magnet Assessment Date

On December 05, 2018 (inclement weather date: December 06, 2018), all applicants will be required to attend the magnet assessment at Sollers Point Technical High School. Applicants should be accompanied by at least one parent. Applicants should arrive at least 15 minutes prior to their scheduled assessment time.

Placement Prior to the Lottery

According to Superintendent’s Rule 6400, *at the high school level, where the number of qualified applicants exceeds the number of available seats, up to 20% of the seats may first be filled with candidates who achieve a minimum of 80% in the total evaluation and who score the highest scores on the magnet assessments. The remaining seats will be filled using the centralized random lottery selection process from the remaining pool of applicants.*

How to Calculate Your Grade Average

Convert your marking period grades to points (A=4, B=3, C=2, D=1, E=0). Then divide by the number of marking periods.

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

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APPLICANT SELF-EVALUATION

DO NOT include this worksheet with your application.

Bring this completed form with you to Assessment.

Assessment Information:

- All assessments must be scheduled by November 21, 2018.
- It is the responsibility of the parent to ensure that the student is on time and prepared for each assessment.
- Failure to attend and complete an assessment will disqualify the applicant and admission in to the magnet program will be denied.

Evaluation Components	Scoring	My Information	My Score
Grade Average <i>2.5 (B) average or higher preferred</i>	2.5 (B) average or higher—15 points each Less than 2.5 (B) average—0 points each	English/Lang. Arts Avg: ____ Math Avg: ____ Science Avg: ____	____ / 15 pts ____ / 15 pts ____ / 15 pts
Attendance <i>94% preferred</i>	Total unexcused absences in prior year + Unexcused absences in first quarter/trimester of current year = 14 days or less—5 points Total unexcused absences in prior year + Unexcused absences in first quarter/trimester of current year = more than 14 days—0 points	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
Reading <i>Score determines total points earned</i>	Applicant may earn up to 15 points	To be determined on scheduled assessment date Assessment appointment must be scheduled by Nov. 21, 2018	____ / 15 pts
Math <i>Score determines total points earned</i>	Applicant may earn up to 15 points	To be determined on scheduled assessment date Assessment appointment must be scheduled by Nov. 21, 2018	____ / 15 pts
Science <i>Score determines total points earned</i>	Applicant may earn up to 15 points	To be determined on scheduled assessment date Assessment appointment must be scheduled by Nov. 21, 2018	____ / 15 pts
Total Score:			____ / 100 pts