

PARKVILLE HIGH SCHOOL

Mathematics, Science & Computer Science

This college preparatory program provides opportunities for advanced learning and interdisciplinary study at accelerated levels in mathematics, science, and computer science. Students are prepared to major in any field that matches their interest. Magnet students are required to take credits in mathematics and science in ninth, tenth, and eleventh grades, and computer science classes in ninth and tenth grades. Students gain experience in robotic, digital electronics, object oriented programming (computer game design) and 3 D CAD (computer aided design). A student is required to complete four magnet credits each year. Gifted and Talented and Advanced Placement Credit is encouraged for magnet students so that they may be able to enter college as advanced freshman, or possible sophomore status. Magnet students also gain access to special programs such as the national engineering program, Project Lead the Way. By completing this program, many of the students are able to gain entry to the "Top Tier" colleges. Students applying to Grade 10 must be currently enrolled in Algebra II or Geometry.

Magnet Transportation Information: Parkville High School (Northeast Area)

Transportation is provided at community pickup points only for students who are zoned for Northeast or Southeast area high schools, as well as those who would otherwise attend Hereford or Loch Raven High School.

Open House: Thursday, October 20, 2011 Program starts at 6 p.m.

2012-2013 Assessment Guidelines

Assessment Date: Wednesday, January 18, 2012 4:30 - 6:30 pm


Assessment reminders will be mailed to all applicants.

Parents/Guardians of applicants who have NOT received notification at least five (5) days prior to the assessment date MUST contact the school to verify/schedule an appointment.

Parent(s)/guardian(s) should contact both the school and Magnet Office 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: Thursday, January 26, 2012, at the previously scheduled appointment time

Inclement Weather: In the event that schools are closed due to inclement weather, weeknight magnet assessments will be postponed. Weekend magnet assessments will be postponed if the snow emergency plan is put into effect for Baltimore County. Postponed assessments will occur on the designated inclement weather date.

<p>Parkville High School 2600 Putty Hill Avenue</p>	<p><u>Directions to Parkville High School:</u></p>
	<p>From I-695</p> <ul style="list-style-type: none">▪ Exit onto Harford Road (31 A)▪ Turn right off the ramp onto Harford Road and go .3 mile to Putty Hill Avenue▪ Turn right at the light onto Putty Hill Avenue and drive .4 mile to the school on the right
<p><u>Magnet Coordinator</u> Bonnie Gray (410) 887-5257 ext262 bgray@bcps.org</p>	

PARKVILLE HIGH SCHOOL

Mathematics, Science & Computer Science

Prior to the Assessment

This **MUST** be completed prior to coming to the audition.

Self-Evaluation: Complete the 2012-2013 Applicant Self-Evaluation form included with these guidelines.

How to prepare for the test: Applicants can prepare for the assessment by reviewing material covered in Pre Algebra and Algebra I or Algebraic Thinking I and II, and their science notes from this year and last year.

On the Day of the Assessment

The assessment is scheduled for 2 hours.

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

- ensure that the applicant attends the assessment on the scheduled date and time.
- contact the schools if scheduled magnet assessment appointments conflict.

Failure to attend an assessment WILL result in disqualification.

Registration Information

All applicants are required to attend the mathematics and science assessment held at Parkville High School. Applicants should be accompanied by at least one parent/guardian. Applicants will register for the assessment in the main office lobby between 3:45 and 4:15 p.m. Testing will begin promptly at 4:30 p.m. **Applicants arriving after 4:30 p.m. will not be admitted into the testing area.** On average, the entire assessment takes approximately 2 hours. All testing will end at 6:30 p.m. Parents should plan to return to the school by 6:00.

Assessment Description

The Mathematics and Science assessment consists of two parts. The first part contains 45 selected response problems. Students will need to be able to solve equations, systems of equations, and proportions. They will also need to be able to correctly write equations from word problems and have an understanding of the Measures of Central Tendency.

The second part contains five extended response questions.

Questions in both parts cover number reasoning and algebraic skills acquired in pre-Algebra, Algebraic Thinking and Algebra I, and concepts covered in middle school sciences.

Documented testing accommodations, as appropriate to the assessment, will be provided.
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Applicants must score 80% or higher to qualify for admission.

PARKVILLE HIGH SCHOOL
APPLICANT SELF-EVALUATION 2012-2013
Mathematics, Science and Computer Science

All applications must be mailed to the Office of Magnet Programs, postmarked by the application deadline of **November 30, 2011**. Incomplete applications will not be considered for admission.

Magnet Program	Admission Criteria
Mathematics, Science and Computer Science	<ul style="list-style-type: none"> ✓ Algebra I or higher in grade 8 ✓ C average (1.5 or better) in English/Lang Arts, and Science ✓ B average (2.5 or better) in Mathematics ✓ Performance on Mathematics & Science Assessment

Magnet Assessment Date

On January 18, 2012, all applicants will be required to attend the mathematics and science assessment held at Parkville High School. Applicants should be accompanied by at least one parent/Guardian. All applicants should arrive by 3:45 PM. (*Inclement weather date: January 26, 2012*). Applicants will be reminded of the test time and location by mail.

Priority Placement

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 show exceptional commitment and promise in the specialized program as evidenced by their performance on the approved magnet assessment. The remaining seats will be filled using the centralized random lottery selection process from the remaining pool of qualified applicants.* Specifically, applicants who earn the highest scores on the mathematics and science assessment may fill up to 20% of the seats available in a particular career major.

Qualifying for Admission

The applicant must earn at least 80 points from the stated criteria in order to qualify for admission.

How to Calculate Your Grade Average

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

Subject	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								
Social Studies								

PARKVILLE HIGH SCHOOL
Grade 9 APPLICANT SELF-EVALUATION 2012-2013
Mathematics, Science and Computer Science

DO NOT include this worksheet with your application.

Important: All applications must be postmarked by the application deadline of **November 30, 2011**. Incomplete applications will not be considered for admission.

Criteria		Scoring Method		My Information	My Score
Admission Criterion #1 Math Enrollment	Algebra I	Algebra I and higher	10 points	My current math course is: _____ /10 pts <i>(record math course here)</i>	
		Algebraic Thinking 2	5 points		
		Pre-Algebra and below	0 points		
Admission Criterion #2 Grade Average (see "How to Calculate Your Grade Average")	English/LA and Science: "C" average or higher: (1.5 or higher)	Score 5 points for each Grade Average equaling "C" or higher (1.5 or higher)		Lang. Arts/English Average: _____	_____ /5 pts
		Score 0 points for each Grade Average less than "C" (less than 1.5)			
	Mathematics: "B" average or higher: (2.5 or higher)	Score 10 points for each Grade Average equaling "C" or higher (1.5 or higher)		Science Average: _____	_____ /10 pts
Score 0 points for each Grade Average less than "C" (less than 1.5)					
		Score 15 points for each Grade Average equaling "B" or higher (2.5 or higher)		Math Average: _____	_____ /15 pts
		Score 0 points for each Grade Average less than "B" (less than 2.5)			
Admission Criterion #3 Math & Science Assessment	Score on assessment determines total points earned by student	Students may earn up to 60 points.		To be determined on January 18, 2012	_____ /60 pts
Points to Qualify	80 points				My Score _____ /100 pts

DO NOT include this worksheet with your application.

FOR STUDENT SELF-ASSESSMENT USE ONLY – does not indicate qualification for programs.

PARKVILLE HIGH SCHOOL
Grade 10 APPLICANT SELF-EVALUATION 2012-2013
Mathematics, Science and Computer Science

DO NOT include this worksheet with your application.

Important: All applications must be postmarked by the application deadline of **November 30, 2011**. Incomplete applications will not be considered for admission.

Criteria		Scoring Method		My Information	My Score
Admission Criterion #1 Math Enrollment	Algebra I	Algebra II and higher	10 points	My current math course is _____ <i>(record math course here)</i>	_____/10 pts
		Algebra I	5 points		
		Algebraic Thinking 2, Pre-Algebra, and below	0 points		
Admission Criterion #2 Grade Average (see "How to Calculate Your Grade Average")	English/LA and Science: "C" average or higher: (1.5 or higher)	Score 5 points for each Grade Average equaling "C" or higher (1.5 or higher)		Lang. Arts/English Average: _____	_____/5 pts
		Score 0 points for each Grade Average less than "C" (less than 1.5)			
	Mathematics: "B" average or higher: (2.5 or higher)	Score 10 points for each Grade Average equaling "C" or higher (1.5 or higher)		Science Average: _____	_____/10 pts
Score 0 points for each Grade Average less than "C" (less than 1.5)					
		Score 15 points for each Grade Average equaling "B" or higher (2.5 or higher)		Math Average: _____	_____/15 pts
		Score 0 points for each Grade Average less than "B" (less than 2.5)			
Admission Criterion #3 Math & Science Assessment	Score on assessment determines total points earned by student	Students may earn up to 60 points.		To be determined on January 18, 2012	_____/60 pts
Points to Qualify	80 points				My Score _____/100 pts

DO NOT include this worksheet with your application.

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