

WESTERN SCHOOL OF TECHNOLOGY AND ENVIRONMENTAL SCIENCE

Environmental Technology

Environmental Technology program emphasizes the application of environmental science through extensive field (outdoor) activities, hands-on projects, map-making projects and computer applications. A primary technology skill will be exposure, training and application of environmental technology with Geographic Information System (GIS) skills of: collecting, displaying, and analyzing geographic data. It is imperative that students in this magnet have an interest in science and technology. They also must enjoy being outdoors and genuinely care about environmental preservation, conservation and ecological systems.

BCPS Magnet Transportation Information: Western School of Technology & Environmental Science (Southwest Area) Transportation is provided at community pick-up points for students who are zoned for high schools in the Southwest or Northwest areas, as well as those who would otherwise attend Dulaney or Towson High School.

Open House: Thursday, November 3, 2011 6- 8 p.m.

2012-2013 Assessment Guidelines


Assessment Date: Saturday, January 21, 2012 **Assessments by appointment**

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: Saturday, January 28, 2012, at 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 style="text-align: center;">Western School of Technology & Environmental Science 100 Kenwood Avenue Catonsville, MD 21228</p>	<p><u>Directions to Western:</u> From the north:</p> <ul style="list-style-type: none"> • Take 695 West towards Glen Burnie to the Wilkens Avenue East Exit 12B. • Turn right on Wilkens Avenue, go under the beltway and turn left on Kenwood Avenue (there will be a sign to the Beltway Towson on Kenwood Avenue). • Stay on Kenwood Avenue past the entrance to the beltway. • Western will be at the top of the hill on your left. <p>From the south:</p> <ul style="list-style-type: none"> • Take 695 North towards Towson to the Exit 12C Wilkens Avenue Exit. • As you come off the exit, stay straight to the stop sign. • Turn left at stop sign on Kenwood Avenue.
	
<p style="text-align: center;"><u>Magnet Coordinator</u> Lisa Gleason 410-887-0849 lgleason@bcps.org</p>	

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Environmental Technology

Prior to the Assessment

This MUST be completed prior to coming to the audition.

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

How to prepare for the assessment: In order to prepare for the writing assessment applicants can view the United States Department of Labor, occupational handbook at <http://www.bls.gov/oco/> and become familiar with some of the occupations in the Environmental Technology field. A list of the various occupations has been included with these guidelines. In order to prepare for the practical portion of the test, applicants can review soil ph at SUNY College of Environmental Science and Forestry at <http://www.esf.edu/pubprog/brochure/soilph/soilph.htm>

An assessment study packet will be available at the Open House on November 3, 2011, and by request.

On the Day of the Assessment

The assessment takes approximately 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

Applicants must attend the school-based assessment for the program to which they applied. All students will be contacted regarding a specific appointment time.

Students should plan to arrive at least 15 minutes prior to their assessment time and report to the front lobby of Western. Assessments will start at the designated time. Students should be accompanied by at least one parent/guardian. **There will be no assessment provided for applicants arriving after the assigned assessment time.** Parents may stay in a designated area during the assessment.

Assessment Description

Applicants will need to bring two #2 pencils to take the assessment. On assessment day, applicants will perform a lab activity related to an Environmental Technology skill. Applicants will complete a writing assessment and a practical assessment.

Reading Comprehension Assessment (20 points): Applicants will be given a list of scenarios that describe the general description of the duties performed in the various Environmental Technology occupations. Students will be asked to identify the occupation and prepare a constructed response about the occupation that interests them.

Practical Assessment (20 points): Applicants will be asked to complete a scientific investigation. Applicants will conduct an analysis of soil chemistry in order to determine the best soil for planting a native wetland plant. All equipment and information necessary for completing this assessment will be supplied but students are asked to dress appropriately for working with soil and/or to bring a change of clothes. The assessment will measure the students' ability to understand scientific results and follow scientific procedural directions.

Documented testing accommodations, as appropriate to the assessment, will be provided.
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Magnet Events

Magnet EXPO!	Saturday, September 24, 2011 Crowne Plaza Timonium	10 a.m. - 2 p.m.
Magnet Application Meetings	Tuesday, September 27, 2011 Woodlawn HS Auditorium	Program starts at 6p.m.
	Wednesday, September 28, 2011 Kenwood HS Auditorium	Program starts at 6 p.m.
Application Deadline	Wednesday, November 30, 2011	

Application packets are available at www.bcps.org/offices/omp. Applications must be hand delivered or postmarked on or before **November 30, 2011**. Late applications are not processed

WESTERN SCHOOL OF TECHNOLOGY AND ENVIRONMENTAL SCIENCE

Environmental Technology

Short List of Potential Environmental Careers

1. Recycling Coordinator
2. Solid Waste Manager
3. Urban and Regional Planner
4. GIS Specialist
5. Greenhouse/Plant Horticulture

6. Naturalist/Conservationist
7. Environmental Engineer
8. Landscape Architect
9. Environmental Education / Teacher
10. Lawyer working for an environmental consulting firm, environmental organization, conservation group, state or federal government

11. Forest Ranger working for state or federal government
12. Hazardous Waste Manager
13. Forester
14. Environmental Health & Safety Officer
15. Environmental Biologist

16. Environmental Laboratory Technician
17. Geographer / watershed manager
18. Civil Engineer
19. Doctor working as an environmental health specialist
20. Hydrologist

21. Geologist / Climatologist
22. Environmental Advocate
23. Green Building Specialist / Architect
24. Toxicologist
25. Marine Biologist

26. Aquaculture Specialist

WESTERN SCHOOL OF TECHNOLOGY & ENVIRONMENTAL SCIENCE

APPLICANT SELF-EVALUATION 2012-2013

Environmental Technology

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.

Admission Criteria

Magnet Program	Admission Criteria
Environmental Technology	<ul style="list-style-type: none"> ✓ Algebra I or higher in grade 8 ✓ B average (2.5 or better) in English/Language Arts, Mathematics, Social Studies and Science ✓ Satisfactory Attendance (94% or higher) ✓ Performance on Magnet Assessments (practicum and reading comprehension test)

Magnet Assessment Date

On January 21, 2012 from 8 a.m. – 2 p.m. all assessments by appointment, (inclement weather date: January 28, 2012), all applicants will be required to attend the assessment held at Western School of Technology and Environmental Science. Applicants should be accompanied by at least one parent/guardian. All applicants will be contacted regarding a specific appointment 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 show exceptional commitment and promise in the specialized program as evidenced by their performance on the approved magnet assessment(s). 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 combined scores on the program assessments may fill up to 20% of the seats available in the magnet program.

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, B=3, C=2, D=1, E=0). 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								

WESTERN SCHOOL OF TECHNOLOGY & ENVIRONMENTAL SCIENCE
Grade 9 APPLICANT SELF-EVALUATION 2012-2013
Environmental Technology

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

Criteria		Scoring		My information	My Score
Admission Criterion #1 Math Enrollment	Algebra I	Algebra I and higher	10 points	My current math course is _____ (record math course here)	_____/10 pts
		Algebraic Thinking 2	5 points		
		Pre-Algebra, Math 8, or below	0 points		
Admission Criterion #2 Grade Average (see "How to Calculate Your Grade Average")	"B" average or higher (2.5 or higher)	English/LA, Mathematics, Social Studies and Science:		English/Lang. Arts Average: _____	_____/10 pts
		Score 10 points each for a grade average equaling "B" or higher (2.5 or higher)		Mathematics Average: _____	_____/10 pts
		Score 0 points for each grade average less than "B" (less than 2.5)		Science Average: _____	_____/10 pts
				Social Studies Average: _____	_____/10 pts
Admission Criterion #3 Attendance	94% Attendance Total unexcused absences in Grade 7 -plus- first quarter/ trimester in Grade 8	Total unexcused absences in Grade 7 -plus- first quarter/ trimester in Grade 8 = 14 days or less.	10 points	Total unexcused absences in Grade 7 (all quarters/trimesters) = ____ days -plus- Total unexcused absences in Grade 8 (first quarter/trimester only) = ____ days Total unexcused absences = ____ days	_____/10 pts
		Total unexcused absences in Grade 7 -plus- first quarter/ trimester in Grade 8 = 15 days or more.	0 points		
Admission Criterion #4 Reading Comprehension Assessment	Score on assessment determines total points earned.	Applicants may earn up to 20 points.		To be determined on January 21, 2012.	_____/20 pts
Admission Criterion #5 Practical Assessment	Score on assessment determines total points earned.	Applicants may earn up to 20 points.		To be determined on January 21, 2012.	_____/20 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.