

WESTERN SCHOOL OF TECHNOLOGY AND ENVIRONMENTAL SCIENCE

Automotive Service Technology

The Automotive Service Technology program at Western is a comprehensive state of the art training program, which requires 96% attendance of a 660-hour time schedule. The 660 hours of instruction includes extensive theory, computer application instruction and hands-on activities in the four major ASE/NATEF certification areas of brakes, steering, suspension, and engine performance. Students are provided with a textbook, laboratory manual, lectures and an array of learning devices to assist their understanding of increasing complex automotive systems.

BCPS Magnet Transportation Information: Western School of Technology & Environmental Science (Southwest Area) Transportation is provided at community pick-up points only 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 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 style="text-align: center;">Western School of Technology & Environmental Science 100 Kenwood Avenue Catonsville, MD 21228</p>	<p><u>Directions to Western:</u></p> <p>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>	

WESTERN SCHOOL OF TECHNOLOGY AND ENVIRONMENTAL SCIENCE

Automotive Service 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.

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

Math Concepts: basic operations with fractions, solving equations, and writing equations of lines.

Automotive Skills: all the above including basic industry measurements and calculations, basic tool usage, and basic safety.

A sample practice test has been included with these guidelines.

All Individuals interested in entering the Automotive Service Technology Program at Western should consider the following:

- You are required to wear a uniform.
- You are required to take The NATEF end of program tests at the end of each course in the 10th and 11th grades.
- You are required to follow all safety standards, as they would apply to an actual automotive repair facility.

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.

WESTERN SCHOOL OF TECHNOLOGY AND ENVIRONMENTAL SCIENCE

Automotive Service Technology

Assessment Description

Applicants will need to bring two #2 pencils to take the assessment. Applicants will complete a personal interview, math assessment and a practical assessment.

Math Test (20 points):

Automotive student applicants will complete a math skills inventory consisting of 10 selected response questions to demonstrate proficiency in multiplication, division, percentages, fractions and graphs.

Interview (20 points): Students will participate in an interview to demonstrate their interest in the automotive service technology program and their maturity to participate in a “Work Safe” environment.

Practical Assessment (20 points):. Students will be asked to complete a 10 question mechanical aptitude test to demonstrate a working knowledge of mechanical functions.

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

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 High HS Auditorium**

Program starts at 6 p.m.

**Wednesday, September 28, 2011
Kenwood HS Auditorium**

Program starts at 6 p.m.

Application Deadline

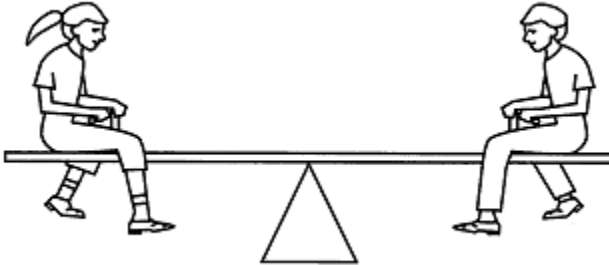
Wednesday, November 30, 2011

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

Automotive Service Technology

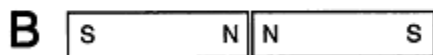
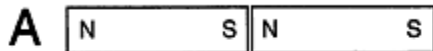
Practice Sample Question



1. These children weigh the same. Will this seesaw balance?

- (A) Yes
- (B) No
- (C) Can't tell

2. Which of these pairs of magnets will stick together in the positions they are in?



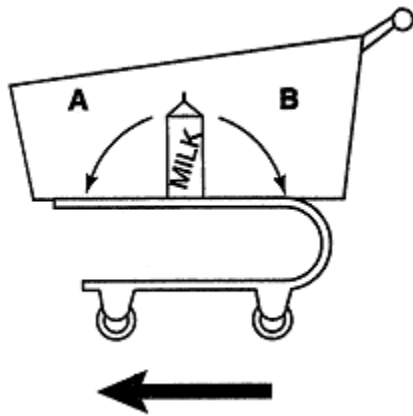
- (A) magnets A
- (B) magnets B
- (C) Both A and B

WESTERN SCHOOL OF TECHNOLOGY AND ENVIRONMENTAL SCIENCE

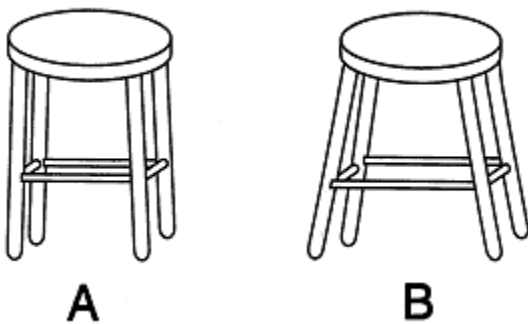
Automotive Service Technology

Practice Sample Question

3. If the shopping cart was moving in the direction of the big arrow and then you stopped it suddenly, which way would the milk carton fall?



- (A) A
- (B) B
- (C) Can't tell
4. These stools are the same height. Which is more likely to tip over when an active child sits on it?



- (A) Stool A
- (B) Stool B
- (C) No difference

WESTERN SCHOOL OF TECHNOLOGY AND ENVIRONMENTAL SCIENCE

Automotive Service Technology

MATH APPITUDE

5. How many $\frac{1}{8}$ ths are there in an inch?
- (A) 4
 - (B) 10
 - (C) 6
 - (D) 8
6. How many inches are in a yard?
- (A) 24
 - (B) 18
 - (C) 48
 - (D) 36
7. Which is the smallest fraction?
- (A) $\frac{1}{3}$
 - (B) $\frac{5}{16}$
 - (C) $\frac{9}{32}$
 - (D) $\frac{8}{64}$
8. Subtract the following two numbers: +6 minus -3
- (A) -3
 - (B) +3
 - (C) -9
 - (D) +9
9. What number is in the tenths place in the following: **7.2431**
- (A) 7
 - (B) 3
 - (C) 1
 - (D) 2
 - (E) 4
10. What is 25% of 60
- (A) 45
 - (B) 12
 - (C) 15
 - (D) 30

WESTERN SCHOOL OF TECHNOLOGY AND ENVIRONMENTAL SCIENCE

Automotive Service Technology

Sample Questions Answer Key

1. A

2. A

3. A

4. B

5. D

6. D

7. D

8. B

9. D

10. C

WESTERN SCHOOL OF TECHNOLOGY & ENVIRONMENTAL SCIENCE

APPLICANT SELF-EVALUATION 2012-2013

Automotive Service 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
Automotive Service 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 (interview, practicum, and math test)

Magnet Assessment Date

On January 21, 2012, (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
Automotive Service 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.

Criteria		Scoring		My information	My Score (CIRCLE POINTS EARNED)
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: Score 5 points each for a grade average equaling "B" or higher (2.5 or higher) Score 0 points for each grade average less than "B" (less than 2.5)		English/Lang. Arts Average: _____	_____/5 pts
				Mathematics Average: _____	_____/5 pts
				Science Average: _____	_____/5 pts
				Social Studies Average: _____	_____/5 pts
Admission Criterion #3 Attendance	94% Attendance Total unexcused absences in Grade 7 -plus- first quarter/ trimester of 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 Personal Interview	Score on interview determines total points earned.	Applicants may earn up to 20 points.		To be determined on January 21, 2012.	_____/20 pts
Admission Criterion #5 Math 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 #6 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

FINAL REMINDER: DO NOT include this worksheet with your application.
FOR STUDENT SELF-ASSESSMENT USE ONLY – does not indicate qualification for programs.

WESTERN SCHOOL OF TECHNOLOGY & ENVIRONMENTAL SCIENCE
Grade 10 APPLICANT SELF-EVALUATION 2012-2013
Automotive Service 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.

Criteria		Scoring		My information	My Score (CIRCLE POINTS EARNED)
Admission Criterion #1 Math Enrollment	Algebra II	Algebra II and higher	10 points	My current math course is _____ (record math course here)	_____/10 pts
		Algebra I	5 points		
		Algebraic Thinking 2, 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: Score 5 points each for a grade average equaling "B" or higher (2.5 or higher) Score 0 points for each grade average less than "B" (less than 2.5)		English/Lang. Arts Average: _____	_____/5 pts
				Mathematics Average: _____	_____/5 pts
				Science Average: _____	_____/5 pts
				Social Studies Average: _____	_____/5 pts
Admission Criterion #3 Attendance	94% Attendance Total unexcused absences in Grade 8 -plus- first quarter/trimester in Grade 9	Total unexcused absences in Grade 8 -plus- first quarter/trimester in Grade 9 = 14 days or less.	10 points	Total unexcused absences in Grade 8 (All quarters/trimesters) = ____ days -plus- Total unexcused absences in Grade 9 (First quarter/trimester only) = ____ days Total unexcused absences = ____ days	_____/10 pts
		Total unexcused absences in Grade 8 -plus- first quarter/trimester in Grade 9 = 15 days or more.	0 points		
Admission Criterion #4 Personal Interview	Score on interview determines total points earned.	Applicants may earn up to 20 points.		To be determined on January 21, 2012.	_____/20 pts
Admission Criterion #5 Math 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 #6 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.