

Dearborn Center for Mathematics, Science & Technology

November 14, 2016

Dear Parents of 8th grade students,

Your child may be qualified for enrollment as a ninth grader in the Dearborn Public School's Dearborn Center for Mathematics, Science & Technology (DCMST). The DCMST is a community of learners sharing a high interest and achievement in math and science. Students attend the Center for three class periods each day and complete the remainder of their academic schedule at one of the Dearborn Public School high schools. This challenging four-year program provides an in-depth, project-based, problem-solving approach that integrates technology with math and science. All students participate in individual research and have the opportunity to enroll in advanced placement and college courses.

Entry into the program is at the ninth grade level for those students currently enrolled in Algebra I. (If students have high school credit for Biology or Algebra II or are currently enrolled in those courses, they are advised to contact the DCMST for information regarding possible admission at a later date.) In this half-day program, freshmen will enroll in Honors Chemistry, Honors Integrated Mathematics II, Technology and Web Page Design, and Scientific Investigations. As students progress through the program, their projects increase in scope and sophistication. The Center's teachers will coordinate and integrate their instruction to provide high quality meaningful learning experiences for students. Student individual and team research projects will provide an opportunity for students to apply classroom learning to real-world problems. We invite you to learn more about The Dearborn Center for Mathematics, Science & Technology by visiting the school website at <http://dcmst.dearbornschools.org>.

Admission is by a competitive selection process. Achievement in middle school math, science, language arts, test scores, teacher recommendations, and a short student essay may be used to evaluate students' qualifications. Students are expected to complete Algebra 1 by June, 2017 in order to be considered for admission.

The DCMST application packet is enclosed. The deadline for filing this application is **February 8, 2017**. A parent information meeting will be held on Monday, December 19, 2016, from 5-6 pm. Due to limited seating it would be appreciated if only parents attend. Please email parksd@dearbornschools.org if you have any questions.

**Parent Information Meeting
Monday, December 19, 2016, 5:00 – 6:00 p.m.
Michael Berry Career Center, Lecture Hall
22586 Ann Arbor Trail, Dearborn Heights**

Sincerely,

Deena Parks
Lead Teacher

Instructions For Completing Your Online Application

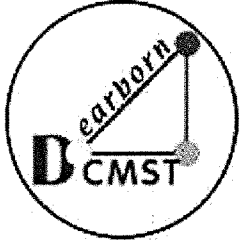
IMPORTANT: PLEASE READ CAREFULLY

As part of the DCMST application process, you are required to complete a few questions and one short essay. Below you will find the instructions needed to get to the online application, and complete your essay question. It is recommended that you type up your essay response (How will the advanced math and science program at DCMST prepare you for your future education and career goals?) prior to beginning your application submission.

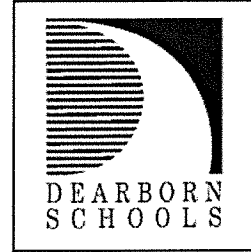
1. In your internet browser, navigate to <http://dcmst.dearbornschools.org/>
2. Click on the tab that says “**Application for Entry into DCMST Fall 2017**”. Then choose “**8th grade application**”.
3. Read through the directions and click the link to access the online application.
4. A new webpage will pop up with the online application questions.
5. Read each question carefully and select or enter your response. For your essay “**How will the advanced math and science program at DCMST prepare you for your future education and career goals?**”, it is recommended that you type your response in a word document then paste it in.
6. Once you are finished with your responses, be sure to click “Submit”. You are now done with the application process. You may only submit **one** application. Any duplicate applications will be deleted.
7. You will see the following message after you have successfully submitted your responses:

You have successfully submitted your online application for the DCMST. Your responses, along with your test scores, grades and teacher recommendations, will help us to select an awesome DCMST Class! Please do not call the school office to confirm your online submission. Students will be notified of their admission status in the Spring.

Deadline: 11:59 p.m. Feb 8, 2017



MAKING IT HAPPEN FOR YOU



Students with demonstrated interest, ability and motivation are urged to apply to the Dearborn Center for Math, Science & Technology.

To apply for admission **carefully** read this information and follow the steps outlined.

Competitive Selection Process

Selection will be based upon a consideration of test scores, middle school grades in math, science and language arts, teacher recommendations and a short student essay. This information will be used to rank students. DCMST is committed to equity in access to all students regardless of race, religion, gender, or handicap.

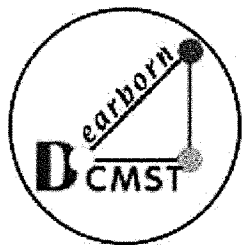
Application Procedure

Eighth graders seeking admission to the Center during the 2017 fall enrollment must complete an on-line application form which includes a signed parent release of information by Friday, **February 8, 2017**.

Each middle school will receive a list of applicants. Teachers will be notified and be given instructions on how to complete a secure on-line recommendation.

Students and principals will be notified in the Spring of the DCMST Admission Committee's decisions.

Directions for the on-line application are included in this packet.



ATTENDING THE DEARBORN CENTER FOR MATH, SCIENCE, AND TECHNOLOGY



The DCMST is operated as a half-day, year-long program for four years of high school.

Attendance

For the 2017-2018 school year, DCMST freshmen will attend classes during the afternoon session. Students will be transported to and from their schools by bus. Students must attend one of the three Dearborn Public High Schools the other half of their school day.

DCMST attendance generally will not interfere with after school activities such as sports. Some students may find their choice of elective classes to be limited.

Staying the Course

The DCMST program is a four-year curriculum (see the attached four year educational plan). Entering the DCMST program should be viewed by students and parents as a four year commitment.

Continuation

Continuation beyond the first year is dependent upon satisfactory academic performance and compliance with DCMST rules and policies.

Four Year High School Course Plan for the Dearborn Center for Mathematics, Science, and Technology

The Michigan Merit Curriculum (MMC) requires that students complete 4 credits of English, 3 credits each of Social Studies, Science and Mathematics (including Geometry and 1 semester in the senior year). Additionally, students must complete 1 credit each of physical education/health and the Arts, as well as 2 credits of a foreign language. **Students must complete 12 credits of approved STEM courses in order to successfully complete the DCMST Program.** The details of the MMC can be found on the district website.

Grade		Math	Science	Technology
9 th	Sem 1	Honors Integrated Math II	Honors Chemistry 1 & 2	Technology & Web Design
	Sem 2			Scientific Investigations
10 th	Sem 1	Honors Integrated Math III	Honors Biology 1 & 2	Research
	Sem 2			Computer Science
11 th	Sem 1	Accelerated Pre-calculus	Honors Physics 1 & 2	DCMST course or dual-enrollment course
	Sem 2	Calculus Foundations or Calculus I (dual-enrollment course)		
12 th	Sem 1	DCMST course or dual-enrollment course	DCMST course or dual-enrollment course	DCMST course or dual-enrollment course
	Sem 2		DCMST course or dual-enrollment course	DCMST course or dual-enrollment course

DCMST Courses		
Mathematics	Science	Technology
Honors Integrated Math II*	Honors Chemistry*	Technology and Web Design*
Honors Integrated Math III*	Honors Biology*	Scientific Investigations*
Accelerated Pre-Calculus*	Honors Physics*	Intro to Computer Science*
AP Calculus BC	AP Environmental Science	Intro to Research*
Calculus Foundations	Anatomy & Physiology	AP Computer Science
AP Statistics	Epidemiology	AP Computer Science Principles
Intro to Mathematical Thinking	Forensic Science	Directed Study in Computer Science
Directed Study in Mathematics	Genetics	Directed Study in Technology
	Topics in Chemistry	Design Concepts 2D/3D (MBCC)
	Directed Study in Science	

*denotes required course

Appropriate Dual Enrollment Courses for DCMST Students

DCMST policy requires that students successfully complete 12 credits of approved math, science, technology and computer science courses. Dual enrollment classes must meet standards of rigor and must not be offered elsewhere in DPS. **Students are responsible for any pretest or prerequisite that may be required.** With the constraints in scheduling, we look at each student individually to find the best schedule. Other courses may be considered, depending on the interests and the needs of individual students.

Approved HFC Courses

AH 100 (unless Med term taken at MBCC), 141

BEC 151, 152

BIO 130, 150, 152

CHEM 141, 142

CIS 130, 170, 172, 186, 230, 232; other 200 level, except 221, 223

GEOG 131 (sem 2 senior year; only if no APES)

HPE 142 253

MATH 141(sem 2 senior year; only if no AP stats), 180, 181, 280, 283, 289

PHIL 131

PHY 231, 232

SCI 131

Approved UMD Courses

MATH 115, 116, 215, 216, 227