

Danforth Collegiate & Technical Institute

“Setting the course for excellence”



MaST

MATH • SCIENCE • TECHNOLOGY @ DCTI

Information and Application Package

Applications due by Friday, December 13, 2013

www.danforthcti.com



DANFORTH COLLEGIATE & TECHNICAL INSTITUTE

800 Greenwood Avenue, Toronto, Ontario M4J 4B7

Tel: (416) 393-0620 Fax: (416) 393-0577

Principal: Denise Martins, B.P.E., B.Ed., M.Sc.Ed.

Vice-Principals: Stephen Bain, B.A., B.Ed.

Jenna Greenfield, B.A., B.Ed.

Dear Applicant,

We are pleased that you have expressed an interest in MaST: a specialized program in Mathematics and Science/Technology. The MaST program provides an exceptional opportunity for students with strengths and goals in these areas. This program is open to students entering grade 9 in September 2014.

Completion of the package requires submission of the following:

1. General Information Form
2. Student Essay
3. Copy of current report card and a copy of your final Grade 7 report card
4. Optional attendance forms: one for MaST (required) and one for DCTI (encouraged if DCTI is not home school). Please obtain the form from the Grade 8 school. The form must be signed by the Grade 8 Principal.
5. A stamped, self-addressed envelope

It is the responsibility of the applicant to ensure that all 5 requirements are submitted together. Incomplete packages will not be considered.

The deadline for the application package is December 13, 2013.

Prospective students will be required to write a 2 ¼ hour (including break) entrance test beginning at 10:00 a.m. on Saturday, January 11, 2014 in the cafeteria. Students are expected to be at the school no later than 9:45 a.m. on that morning.

Parents/guardians will be informed of acceptance or non-acceptance prior to **Friday, February 14, 2014**. There will not be a waiting list. **Parents/guardians must confirm the offer of admission by completing a course selection sheet by Monday, March 3, 2014.**

If you have any questions or require further information, please contact:

Jenna Greenfield (Vice Principal) (416) 393- 0620 Ext. 20011 jenna.greenfield@tdsb.on.ca

Demetra Levogiannis (Guidance) (416) 393-0620 Ext. 20042 demetra.levogiannis@tdsb.on.ca

Thank you for your interest in MaST @ DCTI.



The MaST Program



MaST is a four-year program specializing in Mathematics, Science and Technology. The benefits of the program include:

ACCELERATION: The grade 9 program enables students to take senior level courses in grade 10. This acceleration continues in grade 11. Students are therefore better prepared for University (see table below for details).

ENRICHMENT: The MaST classes allow students with similar interests to work together on projects that are hands-on and open-ended. Many challenges and opportunities are available to the MaST students such as: Math Contests, Sci-Tech Fair, Skills, Space Design Team, Med Tech, Go Physics, etc.

FLEXIBILITY: As students progress to grade 12, their course options increase dramatically to support a wide variety of post-secondary opportunities.

All students in the MaST program will work towards a MaST Certificate. This includes all courses in bold plus five Acceleration or MaST Option courses. Students may also work towards an Honours MaST Certificate by receiving over 80% in 8 of the senior (coded with a 3 or 4) Acceleration or MaST Option courses. Note: Students can receive only one of the two certificates.

Grade 9	Grade 10	Grade 11	Grade 12
MPM1DP – Grade 9 MaST Math SNC1DP – Grade 9 MaST Science CGC1DP – Grade 9 MaST Geography TEJ1OP – Grade 9 MaST Computer Technology ENG1DP – Grade 9 MaST English FSF1DP – Grade 9 MaST French PPL1OF/M – Grade 9 Health and Physical Education ADA1OP or AMI1OP or AVI1OP – Grade 9 Performing or Visual Arts	MPM2DP – Grade 10 MaST Math SBI3UP – Grade 11 MaST Biology CVCARP – Grade 10 MaST Civics and Careers ENG2DP – Grade 10 MaST English CHC2DP – Grade 10 MaST History Acceleration Options: ICS3U1 – Grade 11 Computer Science TDA3M1 – Grade 11 Architectural Design IDC3O1 – Grade 11 Engineering and Design CGF3M1 – Grade 11 Forces of Nature	MCR3UP – Grade 11 MaST Math SPH3UP – Grade 11 MaST Physics SCH3UP – Grade 11 MaST Chemistry Acceleration Options: SBI4U1 – Grade 12 Biology ICS4U1 – Grade 12 Computer Science TDA4M1 – Grade 12 Architectural Design IDC4O1 – Grade 12 Engineering and Design CGW4U1 – Grade 12 World Issues	MaST Options: MHF4U1 – Grade 12 University Functions MCVU1 – Grade 12 University Calculus MDM4U1 – Grade 12 University Data Management SPH4U1 – Grade 12 University Physics SCH4U1 – Grade 12 University Chemistry SES4U1 – Grade 12 University Earth and Space Science PSE4U1 – Grade 12 University Exercise Science

Note: 'P' at the end of the course code denotes MaST ONLY students



Danforth Collegiate & Technical Institute
MaST (Mathematics and Science/Technology)
General Information Form
For September 2014 admission



Student

Last Name: _____ First Name: _____

Current School: _____

Student Email Address: _____

Parent/Guardian

Last Name: _____ First Name: _____

Address: _____ Apt. _____

City: _____ Postal Code: _____

Home Phone Number: _____ Business: _____

Parent Email Address: _____

Student Responses

Briefly describe the three most important activities you are involved in outside of class. Include in your description the time commitment and any awards achieved.

1. _____

2. _____

3. _____



Danforth Collegiate & Technical Institute
MaST (Mathematics and Science/Technology)



Entrance Test

The MaST Entrance Test consists of three parts. During the first hour, students will write a 2 part Mathematics test (multiple choice and questions requiring some answers in full-solution form). Following a 15-minute break, there will be a 45-minute multiple choice test based on Science and Technology and a 15-minute writing task. The exam questions will be based on the full grade 7 and 8 curriculum in math and science.

Date: Saturday, January 11, 2014
at Danforth Collegiate & Technical Institute

Schedule:

Arrival	9:45 a.m. in Cafeteria
Test (Parts 1 and 2)	10:00 a.m.
Break	11:00 - 11:15 a.m.
Test (Parts 3 and 4)	11:15 a.m.
End	12:15 p.m.

Supplies: Students will need to bring pen(s), pencil(s), eraser and a scientific calculator.
No supplies will be provided.