

**AUTHORIZE TUITION PAYMENTS TO VARIOUS UNIVERSITIES FOR MATHEMATICS AND SCIENCE COURSEWORK****THE CHIEF EXECUTIVE OFFICER REPORTS THE FOLLOWING DECISION:**

Authorize tuition payments to various universities for mathematics and science coursework at a cost not to exceed \$400,000. Universities were selected based on their previous involvement with mathematics and science programs in the Chicago Public Schools. No written agreement is required for tuition payments. Information pertinent to this program is stated below.

**UNIVERSITY:** See Exhibit A

**USER:** Office of Curriculum and Instruction  
Department of Math and Science  
125 S. Clark Street  
Chicago, IL 60603  
Jesch Reyes  
773-553-6239

**PAYMENT PERIOD:** Tuition payments are authorized for university courses scheduled from January 1, 2012 through June 30, 2012.

**PROGRAM DESCRIPTION:** This Board report supports two programs: 1) the Algebra Initiative Coursework and 2) the Chicago Transformational Teachers Institute (CTTI). The Algebra Initiative provides an opportunity for CPS middle grade teachers to pursue Algebra Certification so that an increased number of elementary schools can offer a high school algebra course to well-prepared middle grade CPS students. This enhances the opportunities for students to be on a pathway to take advanced mathematics courses in high school. The CTTI program provides math and science leadership development for CPS high schools to create and/or enhance and offer a well-developed fourth-year mathematics or science course at their respective schools. This enhances the opportunities for high school students to be better-prepared for post-secondary mathematics and science.

**PARTICIPANTS:** Algebra Initiative Coursework participants include CPS teachers who possess a math endorsement, have demonstrated leadership skills, and desire to obtain HS Algebra Certification. Participants are selected through a competitive process; they commit to a year-long sequence of courses and take the Teacher Qualifying Exam in January and/or March of the subsequent year, and must pass to earn certification. CTTI participants will also be selected based on an application process geared towards teacher leaders who have demonstrated content knowledge and readiness to take on increased responsibility for school change.

**OUTCOMES:** The Algebra Initiative Coursework program will result in an increased number of certified algebra teachers in the middle grades. This will create increased opportunities for students to engage in a more rigorous mathematics program of study, such as enrollment in advanced mathematics courses as freshmen, which will put them on the pathway to enroll in advanced mathematics courses in high school and higher level postsecondary mathematics courses. The key outcomes of the CTTI program include teacher-led work in the refinement, implementation and vertical articulation of rigorous 12<sup>th</sup> grade (including Advanced Placement) mathematics and science curricula; as a result, creating increased options for CPS students to enroll in more challenging courses of study in mathematics and science, leading to increased postsecondary options.

**COMPENSATION:** Tuition payments to universities during the payment period shall not exceed \$400,000 through June 30, 2012.

**AUTHORIZATION:** The Director of Math and Science is authorized to direct payments to be made to the universities as necessary.

**AFFIRMATIVE ACTION:** Pursuant to Section 5.2.3 of the Remedial Program for Minority and Women Owned Business Enterprise Participation in Goods and Services Contracts, tuition payments to other educational institutions are exempt from MBE/WBE review.

**LSC REVIEW:** Local School Council approval is not applicable to this report.

**FINANCIAL:** Charge to: Office of Curriculum and Instruction, Department of Math and Science  
Not to exceed \$400,000  
Budget Classification: 13710-XXX-54305-221201-XXXXX-2012,  
Source of Funds: Various local and federal funds

**GENERAL CONDITIONS:**

Inspector General – Each party to the agreement shall acknowledge that, in accordance with 105 ILCS 5/34-13.1, the Inspector General of the Board of Education has the authority to conduct certain investigations and that the Inspector General shall have access to all information and personnel necessary to conduct those investigations.

Conflicts – The agreement shall not be legally binding on the Board if entered into in violation of the provisions of 105 ILCS 5/34-21.3 which restricts the employment of, or the letting of contracts to, former Board members during the one year period following expiration or other termination of their terms of office.

Indebtedness – The Board's Indebtedness Policy adopted June 26, 1996 (96-0626-PO3), as amended from time to time, shall be incorporated into and made a part of the agreement. Ethics – The Board's Ethics Code adopted June 23, 2004 (04-0623-PO4), as amended from time to time, shall be incorporated into and made a part of the agreement.

Contingent Liability – The agreement shall contain the clause that any expenditure beyond the current fiscal year is deemed a contingent liability, subject to appropriation in the subsequent fiscal year budget(s).

Approved for Consideration:



Noemi Donoso  
Chief Education Officer

Approved:



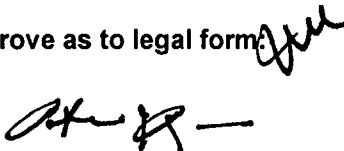
Jean-Claude Brizard  
Chief Executive Officer

Within Appropriation:



David G. Watkins  
Chief Financial Officer

Approve as to legal form:



Patrick J. Rocks  
General Counsel

**Exhibit A**

11-1214-ED2

1. University of Chicago  
SESAME Program  
5734 S. University Ave.  
Chicago, IL 60637  
Contact: Dr. Paul J. Sally, Jr.  
Phone: 773-702-7388  
Vendor # 42859
2. DePaul University  
STEM Studies Department  
990 W. Fullerton, Suite 4400  
Chicago, IL 60614  
Contact: Carolyn Narasimhan  
Phone: 773-325-1854  
Contact: Victoria Simek  
Phone: 773-325-4790  
Vendor # 37159
3. University of Illinois at Chicago  
1737 W. Polk Street  
Chicago, IL 60612  
Contact: Donald Wink  
Phone: 312-413-7383  
4478 Science and Engineering South  
845 W. Taylor Street  
Chicago, IL 60607  
Vendor # 32571
4. Illinois Institute of Technology  
Department of Mathematics and  
Science Education  
IGT Building (South), Suite 4008  
3424 S. State St. Chicago, IL 60616  
Contact: Norman Lederman  
Phone: 312-567-3658  
Vendor #26500
5. Loyola University of Chicago  
Department of Physics  
6525 N. Sheridan Rd.  
Chicago IL, 60626  
Contact: David Slavsky  
Phone: 773-508-8352  
Vendor # 14852
6. Northwestern University  
Department of Learning Sciences  
238 Campus Drive  
Evanston, IL  
Contact: Steven McGee  
Phone 847-467-3113  
Vendor # 49090