

## **EXHIBIT A – SCOPE OF WORK**

### **NJIT/Newark Math Success Initiative (MSI) – Cohort 2025 Proposal for the Student and Teacher Component**

#### **Program Overview**

The *New Jersey Institute of Technology/Newark Math Success Initiative (MSI)* is designed to identify and strengthen Newark high school students' mathematics knowledge, skills, and preparation for college work. For Cohort 2025, as with previous cohorts, the goal is to support students for potential admission to NJIT beginning September 2026 as first-semester, first-year college freshmen ready to take at least MATH 111 Calculus I. The pilot program began during the summer of 2019 and continued for the 2019-2025 academic years, commonly referred to as the Cohort 2019, Cohort 2020, Cohort 2021, Cohort 2022, Cohort 2023, and Cohort 2024 of students and teachers in years 1 through year 6, respectively. Eighty-eight (88) students from the past five cohorts of students have matriculated at NJIT as first-year freshmen since September 2020. Five (5) MSI students graduated from NJIT in 2024 with approximately 18 students pending certification for graduating in May 2025. Altogether, 65 are currently enrolled at NJIT. Many of the sixth cohort of students are expected to begin in September 2025. The program is a collaboration among the NJIT President's Office through the Center for Pre-College Programs (CPCP) and the Jordan Hu College of Science and Liberal Arts (HCSLA), the Newark Board of Education (Newark BOE), and the City of Newark.

The 2025-2026 proposal builds upon the work performed to date for Cohorts 2019 - 2024 with program adjustments made, in part, based on issues and recommendations identified in the yearly NJIT/Newark Math Success Initiative: A Summary Implementation Report. Accordingly, the respective MSI partners will develop a new Memorandum of Understanding and Data Sharing Agreement for review and signature.

#### **Role of NJIT**

CPCP Executive Director, Dr. Jacqueline L. Cusack, will continue to provide overall leadership for the planning, implementation, and assessment/evaluation of the NJIT/Newark Math Success Initiative in collaboration with Dean Kevin Belfield, HCSLA, and the Department of Mathematical Sciences. The Cohort 2025 student and teacher component will start in the summer of 2025 and continue in the academic year 2025-2026. Specific responsibilities for the student and teacher components are as follows:

- The supervision of the student component for summer 2025 and academic year 2025-2026 (specifically, after the students attend the NJIT mathematics enrichment and college prep classes) will be the responsibility of CPCP staff members, e.g., Senior Director of Strategic Planning and Community Initiatives (Dr. Levelle Burr-Alexander), MSI Coordinator (Francisco Ruivo, an alumnus of NBOE and NJIT), and Director of TRIO (Monique Paden-Hutchinson on behalf of the Talent Search Program). The scope of work will include coordinating the core academic experience for college preparation and support services as well as the day-to-day operations of the program including accompanying the students on

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field trips, if applicable. A project evaluator will continue to consult with the MSI team on the evaluation of the project.

- The supervision of the teacher component for summer 2025 and academic year 2025-2026 will be the responsibility of Professor Peter Ward, Senior University Lecturer and HCSLA MSI Math Coordinator in the Department of Mathematical Sciences. The scope of work will include coordinating the core academic experience for math instruction and teacher professional development, as well as implementing the summer teacher PD component. Dr. Bruce Bukiet will be the liaison for HCSLA and Dr. Michelle Cirillo will be the liaison for the Department of Mathematical Sciences.

Planning and preparations for MSI Cohort 2025 began in early December 2024. NJIT will collaborate with the Newark BOE and City of Newark (through its Summer Youth Employment Program) on the identification, nomination, selection, and enrollment of students and teachers for Cohort 2025 based upon the criteria noted below.

- **Students:** A total of up to 50 students, who are currently 11<sup>th</sup> graders (rising seniors), will complete the application and be selected from up to 15 high schools throughout the district for Cohort 2025. Students must ...
  - Be currently enrolled in a mathematics class, having demonstrated success in Algebra 2 by the end of their 11<sup>th</sup> grade year;
  - Have completed their high school course requirements for graduation and admission into NJIT by the end of their senior year (i.e., by June 2026);
  - Have a strong interest in pursuing a STEM-related major at NJIT;
  - Be available to attend all classes and MSI events during the summer of 2025, and if recommended, the academic year 2025-2026; and
  - Meet requirements for joint participation in Talent Search according to federal TRIO regulations.

Families and students will be informed of program features and requirements at a student/parent orientation.

- **Teachers:** A total of up to 15 math teachers (1 teacher from each participating high school) will be selected for Cohort 2025. Participants from Cohorts 2019-2024 may be among these math teachers to participate in the Professional Learning Community (PLC). Teachers must ...
  - Teach a calculus or precalculus class at one of the participating high schools;
  - Possess New Jersey teacher certification in mathematics\*; and
  - Be available to attend all professional development sessions and MSI events, as appropriate. (See “**Structure of Teacher Component**” section.)

\*A master’s degree in mathematics or mathematics education is preferred.

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#### **Role of Newark Board of Education**

The Newark Board of Education (Newark BOE) will partner with NJIT and the City of Newark by doing the following: (a) collaborate with NJIT on the identification and nomination of interested students and mathematics teachers; (b) secure informed consent from parents/guardians for student participation; (c) schedule participating students such that they attend a mathematics college course and college prep class at NJIT Mondays through Fridays during the school day for the fall 2025 and spring 2026 semesters; (d) facilitate students' transportation for punctual arrival to and departure from the NJIT campus; (e) collaborate with NJIT in monitoring student attendance and performance; (f) facilitate teachers' participation in mathematics professional development through NJIT which includes attendance with students in math enrichment classes on the NJIT campus during assigned days of the summer 2025; (g) provide compensation for teacher participation, as appropriate; (h) facilitate the establishment of a Professional Learning Community with other math teachers in their buildings and district to expand the internal capacity of mathematics preparation; and (i) schedule common times for the mathematics teachers to meet three-to-four (3-4) times during the academic year in-person or online as a Learning Community/Peer Network with NJIT faculty.

The district will nominate up to 10 students per high school to complete the MSI program application. These nominated students will be identified from 15 target high schools with a participation maximum of up to 50 students:

- American History
- Arts
- Barringer
- Central
- East Side
- Malcolm X Shabazz
- Newark School of Data Science and Information Technology
- Newark School of Fashion and Design
- Newark School of Global Studies
- Newark Vocational
- Science Park
- Technology
- University
- Weequahic
- West Side

Similar to the previous summer, the Cohort 2025 students will be served a continental breakfast and provided lunch through the Continuous Dining Service in NJIT's Campus Center to give them an authentic campus experience. The summer continental breakfast and lunches have been incorporated into the costs for the Newark BOE.

Each participating high school or the district will continue to provide bus transportation, bus tickets or monthly passes for the students during the summer of 2025 and the academic year 2025-2026. During the summer, students are expected to arrive on campus by 8:10 a.m. and depart campus by ~3:00 p.m. (Mondays through Thursdays). The summer component will be taught for 5.5 hours per day (starting at 8:30 am) with a one-hour lunch for four (4) days per week over an approximately six (6) week long

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period. During the academic year, students are expected to arrive on campus by 12:50 p.m. and depart campus by 2:30 p.m. on Mondays through Fridays unless they are attending on-campus tutoring. The college math course(s) and college prep classes will begin at 1:00 p.m. and end at 2:20 p.m. If the program converts to a virtual platform, then the class schedule for the MSI courses will follow the university's virtual schedule. The fall/spring semester NJIT math course(s) will be taught for 80-minute sessions over four (4) days per week with the fifth day devoted to college preparation and academic support services.

#### **Role of the City of Newark**

The City of Newark will continue to partner with NJIT and the Newark Board of Education by providing additional support for Cohort 2025 students during the summer of 2025. For example, in the summer, qualified students from Cohorts 2019 - 2024 were given weekly stipends from the City of Newark through the Youth One Stop and Career Center (YOSCC), making it possible for them to participate in MSI rather than seek summer employment. The City of Newark will continue its commitment by providing pre-certified (pre-approved) students with stipends during the summer of 2025 through the Summer Youth Employment Program (SYEP).

#### **Program Structure**

The components for Cohort 2025 students and teachers in the project's seventh year will begin implementation in the summer of 2025 and will continue through the 2025-2026 academic year.

#### ***Structure of Student Component***

##### **Summer at NJIT for Student Cohort 2025**

The six-week summer component for students will be conducted from June 30 – August 7, 2025 (Mondays through Thursdays; no program on Fridays including July 4<sup>th</sup>) with an 8:10 a.m. arrival to sign-in for their SYEP stipend. Classes will be held 8:30 a.m. – 3:00 p.m. on the NJIT campus. A closing ceremony will be held on the evening of Thursday, August 7, 2025, at 6:00 p.m. A mandatory student/parent orientation will be held in mid-to-end of June for the summer component (tentatively, Saturday, June 21, 2025) and another will be held at the end of August (tentatively on the evening of Wednesday, August 13, 2025) for the academic year component. The students will take a math pre-assessment through the university before the summer component (tentatively, Saturday, June 21, 2025). Note that the students are required to re-take the math assessment before the end of the summer component, which is one criterion for the college math course placement, and at the end of the academic year component.

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Students will begin their day with a 30-minute math challenge experience followed by a 120-minute math enrichment course in college algebra, pre-calculus, or calculus. The students will also attend a math course recitation (real-world applications) that will be led in small work groups by the NJIT math faculty member. Office hours will be offered to students for 30 minutes at the end of each day, Mondays through Thursdays, if needed. In addition, students will be jointly enrolled in Talent Search, a TRiO program that provides college prep, college tours, and enrichment opportunities throughout the summer and academic year. The day will conclude with an hour-long “NJIT Exploratory Experience” where students will learn about research at NJIT, visit various laboratories, engage in recreational activities, and explore some of the educational resources available throughout the university such as the Makerspace.

#### **Fall 2025/Spring 2026 at NJIT for Student Cohort 2025**

Academic learning experiences in college-level mathematics, and TRiO services such as field trips (when appropriate), college tours, counseling, tutoring, and other college preparatory support services will continue during the 2025-2026 academic year on weekdays and Saturdays. The program services will also include assistance with submission of the Common Application accepted by NJIT’s Office of Admissions and completion of the Free Application for Federal Student Aid (FAFSA) form. The ultimate goal is for MSI students to fulfill the university’s requirements for acceptance into NJIT and receive an adequate financial aid package. Ideally, the students who qualify will be accepted as incoming freshmen for NJIT’s Educational Opportunity Program (EOP) in September 2026. (Note that not all students may qualify for EOP.)

Students will be enrolled in a dual enrollment and unique section of an appropriate university math course, such as Math 110 Pre-Calculus or Math 111 Calculus, which will be taught by NJIT math faculty on campus four (4) days per week during the school day. On the fifth day each week, students will attend a TRiO college prep class to receive counseling services for college readiness from CPCP staff. The full-time MSI Coordinator will support the Senior Director of Strategic Planning and Community Initiatives to monitor the students’ academic progress in the university math course and oversee the tutorial support services during the academic year. Additional tutorial support will be provided by NJIT Teaching Assistants (TAs) hired through MSI to assist during mathematics instruction and on-campus, after-school tutoring.

In summary, throughout the summer 2024, fall 2024 and spring 2025 semesters, two separate, but complementary, core academic experiences will be provided for students: (1) mathematics instruction; and (2) college preparation and support services. See details below:

#### **(1) *Mathematics Instruction***

- **Summer 2025:** Math enrichment in preparation for MATH 110 or MATH 111. The summer 2025 mathematics experience will include elements to prepare

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students for success in MATH 110 and/or MATH 111. Content-related mathematics experiences will be led by a math faculty member from HCSLA – Department of Mathematical Sciences. The experience will include the mathematics Challenge Time, enrichment, and recitation with an integration of real-world mathematics applications.

- **Fall 2025/Spring 2026:** MATH 110 (over 2 semesters) with an NJIT transcript available upon request **OR** MATH 111 (over 2 semesters) with an NJIT transcript available upon request.

#### **(2) *College Preparation and Support Services***

- Academic counseling component for students in preparation for college, such as college study skills, time management, interacting with professors and other campus professionals.
- Mentoring and team building activities.
- Introduction/Interaction/Involvement with key campus departments such as Career Development Services, Student Life, EOP, Study Abroad, and Honors College.
- Career exploration and familiarization with NJIT such as campus layout, including Wellness and Events Center (WEC), Makerspace, Weston Hall, Campus Center and arts/cultural connections for example The Newark Museum; possible tour of local colleges.
- Completion of NJIT Admissions Common Application.
- Completion of FAFSA.
- WEC and/or Campus Center recreation, “NJIT Experience”, and other university experiences, during the summer only.

### ***Structure of Teacher Component***

The mathematics teachers in Cohort 2025 will participate in nine, full-day professional development workshops at NJIT in the summer of 2025. They will also be required to participate in three-to-four (3-4) professional development collaborations during the 2025-2026 academic year.

#### **Summer at NJIT for Teacher Cohort 2025**

The summer component for teachers will begin in the last week of June, specifically, Wednesday, June 25, and Thursday, June 26, 2025, or upon completion of the NBOE school year, with two (2) days of professional development from 9:00 a.m. to 3:00 p.m. Each day will feature a mathematical concept theme in three (3) 90-minute sessions highlighting knowledge concepts at the high school level (influenced by input of the participating teachers), applying the pedagogy of Active Learning (incorporating inquiry-based learning, project-based learning, and flipped classroom methodologies) through hands-on experiences, and connecting the day’s topics to more advanced math

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concepts and/or applications. The experience will be followed by seven (7) additional full days in the classroom with the students to observe, reflect, and assist the NJIT math faculty during the June 30 - July 3 and August 4 – 6, 2025 (8:30 a.m. to 3:00 p.m.) implementation of the student component. The teachers will return for a summer closing ceremony.

#### **Fall 2025/Spring 2026 for Teacher Cohort 2025**

Professional development learning experiences in mathematics will continue during the 2025-2026 academic year. The mathematics teachers from the summer of 2025 will be expected to participate in a Professional Learning Community (PLC)/Peer Network supported by HCSLA math faculty/staff through three-to-four (3-4), in-person or online sessions during the academic year. The math PLC across schools will be supported with professional development by the school or district.

#### **Program Timeline and Scheduling**

|                               |   |
|-------------------------------|---|
| ➤ November/December 2024      | Reaffirm buy-in from Newark BOE Central Office and building principals via introductory meeting(s) with district staff.   |
| ➤ December 2024/February 2025 | Prepare draft proposal and budget with justification for review and approval by NJIT Administration.  |
| ➤ January 2025                | Conduct an information meeting with MSI key contacts at each participating high school for the MSI program nomination and recruitment process.  |
| ➤ February/March 2025         | Submit MSI proposal for review and approval by NJIT Administration.   |
| ➤ February/March 2025         | Collaborate with Newark BOE on the identification and nomination of potential students and mathematics teachers. MSI online nominations with initial supporting documents (transcripts, current report card, and standardized test scores) are due Friday, February 28, 2025.   |
| ➤ February/March 2025         | Each high school's MSI key contact works with "nominated" students to complete their <u>separate</u> NJIT - MSI and City of Newark – Summer Youth Employment Program (SYEP) application with the required documents for approval of their summer stipend. Tentative SYEP applications are due at the end of March 2025. |

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|                            |   |
|----------------------------|---|
| ➤ March 2025               | Expedited review by NJIT and notification to NBOE about “nominated” student’s submissions. Tentatively scheduled for March 7, 2025.   |
| ➤ March 2025               | Conduct virtual information meetings with the “nominated” students for completion of the MSI application process. Tentatively scheduled for mid-March 2025.   |
| ➤ March 2025               | Collaborate with Newark BOE on the completion of online applications and collection of supporting documents from “nominated” students and mathematics teachers. MSI applications due Friday, April 11, 2025.          |
| ➤ March/April 2025         | Seek input from NBOE and City of Newark liaison on Cohort 2025 proposal and budget.   |
| ➤ April 2025               | Submit final MSI proposal for review by NJIT’s Legal Department to prepare an MOU for Cohort 2025.  |
| ➤ April 2025               | Distribute final MSI proposal, budget and MOU to NBOE and City of Newark partners for review and signature.   |
| ➤ April 2025               | Engage MSI Internal Team and math faculty in reviewing the online MSI Program applications and supporting documents for selection by NJIT.  |
| ➤ May 2025                 | Notify students, parents/guardians, Newark BOE, school contacts and partners of student selection for MSI Cohort 2025. Tentatively scheduled for May 1, 2025.   |
| ➤ May/June 2025            | Confirm acceptance from students (and their parents/guardians) and math teachers, then coordinate with Youth One Stop and Career Center (YOSCC) for final processing of stipends for Summer Youth Employment Program. |
| ➤ June 2025                | Collect student paperwork with data and other required information for program implementation.  |
| ➤ June 21, 2025            | Administer online NJIT mathematics placement exam via Maplesoft (summer pre-assessment) through NJIT.   |
| ➤ June 21, 2025            | Conduct mandatory student/parent orientation with mathematics teachers and NJIT project team.   |
| ➤ June 23 – August 7, 2025 | Implement summer program for teachers.  |
| ➤ June 30 – August 7, 2025 | Implement summer program for students including the Summer Closing Ceremony held in   |



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|                             |  |
|-----------------------------|--|
|                             | the evening of August 7 <sup>th</sup> (Parent/Guardians are invited).  |
| ➤ August 4 - 6, 2025        | Administer online NJIT mathematics placement exam via Maplesoft (mid-assessment) at NJIT.  |
| ➤ August 13, 2025           | Conduct evening mandatory student/parent orientation for the academic year NJIT college math course(s), including the collection of required paperwork for college course registration.  |
| ➤ August 22, 2025           | Enroll students in NJIT college math course(s) for Fall 2025 and Spring 2026.  |
| ➤ September 2025 – May 2026 | Implement academic year program for MSI students. <ul style="list-style-type: none"><li>- Start Date (Fall 2025): Tuesday, September 2, 2025 for the first day of fall classes, projected date.</li><li>- End Date (Fall 2025): Wednesday, December 10, 2025 for the last day of fall classes, projected date.</li><li>- Start Date (Spring 2026): Tuesday, January 21, 2025 for the first day of spring classes, projected date.</li><li>- End Date (Spring 2025): Wednesday, May 6, 2026 for the last day of spring classes, projected date.</li></ul> |
| ➤ October 2025 – April 2026 | Implement academic year professional development sessions for MSI teachers.  |
| ➤ April 23, 2026            | Administer online NJIT mathematics placement exam via Maplesoft (post-assessment), projected date.   |
| ➤ July – August 2026        | Students attend EOP Summer Boot Camp, if applicable.   |
| ➤ September 2026            | Cohort 2025 begins freshman year at NJIT.  |

### ***Student Summer Schedule***

The six-week summer experience will be implemented on the NJIT campus from Monday, June 30, 2025 through Thursday, August 7, 2025 (Monday – Thursday, no Friday classes including July 4<sup>th</sup>). Students will arrive on campus at 8:10 am for sign-in with Summer Youth Employment Program (SYEP). The first class period will begin at 8:30 am. Students will have one half (1/2) hour per day of a math challenge activity, two (2) hours per day of math enrichment, and one-hour recitation over four (4) days per week. Students also will take part in college preparation classes four times a week. In addition, four times a week, students will participate in an “NJIT Exploratory Experience”

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to learn about research at NJIT, visit various laboratories, use the recreation facilities in the Wellness and Events Center plus the game room (for swimming, basketball, and bowling), and explore other NJIT educational resources (such as the Makerspace). On the final day of the program, students and parents will be invited to campus for a closing ceremony on the evening of Thursday, August 7, 2025.

See Table 1 for a sample summer 2025 schedule for students (Calculus Enrichment).

#### ***Student Academic Year Schedule***

The two-semester academic year experience will be implemented on the NJIT campus from Tuesday, September 2, 2025 through Wednesday, December 10, 2025 (Mondays - Fridays) during the fall 2025 semester and Tuesday, January 21, 2025 through Wednesday, May 6, 2026 during the spring 2026 semester (projected dates). The college math course will be implemented Mondays through Thursdays and the college prep class will be implemented on Fridays. The district/schools will provide students with district bus transportation to the NJIT campus each afternoon. Students will arrive on campus by 12:50 p.m. for the start of class at 1:00 p.m. and class will end at 2:20 p.m. The Newark Board of Education will provide bus tickets or monthly passes for the students to leave campus at 2:30 p.m. for return to their home or school for after-school activities. On-campus, after-school math tutoring will be offered, free-of-charge, on Mondays – Thursdays (2:30 – 4:30 p.m.) and Saturdays (12:00 – 2:00 p.m.).

#### **Newark Board of Education Teacher Component Schedule**

There are two separate experiences within the teacher component of the program: (1) observation and assistance in college mathematics instruction; and (2) professional development in mathematical content knowledge at the high school level, applying the pedagogy of Active Learning through hands-on experiences, and connecting the day's topics to more advanced math concepts and/or applications. Building on the observation and professional development, under the guidance of NJIT faculty/staff, teachers will work on constructing and enhancing their lesson plans. The professional development work product will be these enhanced lesson plans to be disseminated in the PLC.

#### ***Teacher Summer Schedule***

The summer professional development experience will be implemented on the NJIT campus:

- Week 1: Wednesday, June 25, and Thursday, June 26, 2025, from 9:00 a.m. to 3:00 p.m. for 5 hours a day plus 1 hour lunch (total of 10 professional development hours).
- Week 2: Monday, June 30 to Thursday, July 3, 2025, from 8:30 a.m. to 3:00 p.m. for 5.5 hours a day plus 1 hour lunch (total of 22 hours).

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- Week 7: Monday, August 4, 2025 - Wednesday, August 6, 2025, from 8:30 a.m. to 3:00 p.m. for 5.5 hours a day plus 1-hour lunch, and including participation in the closing ceremony plus reception on the evening of Thursday, August 7, 2025 for 2.0 hours (total of 18.5 hours).  
See Table 2 for a sample summer 2025 schedule for teachers.

#### ***Teacher Academic Year Schedule***

The two-semester professional development experience will continue during the 2025-2026 academic year from October 2025 through April 2026. The mathematics teachers selected from each high school will be responsible for participating in a Professional Learning Community (PLC)/Peer Network for the program. There will be three to four (3-4), 2.5-hour professional development sessions (7.5-10 hours total) during the 2025-2026 academic year. Up to 15 teachers will be supported with professional development during these sessions.

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**Table 1 – Sample Summer 2025 Schedule – Students (Mathematics Enrichment)**

CLASSROOM: TBA                      SUMMER 2025                      Arrival: 8:10 am

**NJIT/Newark Math Success Initiative (MSI) - Calculus Enrichment Schedule**

|               | MONDAY                            | TUESDAY                           | WEDNESDAY                         | THURSDAY                          | FRIDAY            |
|---------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-------------------|
|               | 30-Jun                            | 1-Jul                             | 2                                 | 3                                 | 4                 |
| 8:30 - 9:00   | CHALLENGE TIME<br>Location TBA    | CHALLENGE TIME<br>Location TBA    | CHALLENGE TIME<br>Location TBA    | CHALLENGE TIME<br>Location TBA    | <b>No Classes</b> |
| 9:10 - 10:00  | MATHEMATICS-Cal E                 | MATHEMATICS-Cal E                 | MATHEMATICS-Cal E                 | MATHEMATICS-Cal E                 |                   |
| 10:10 - 11:00 | MATHEMATICS-Cal E<br>Location TBA | MATHEMATICS-Cal E<br>Location TBA | MATHEMATICS-Cal E<br>Location TBA | MATHEMATICS-Cal E<br>Location TBA |                   |
| 11:10 - 12:00 | COLLEGE PREP<br>Location TBA      | COLLEGE PREP<br>Location TBA      | COLLEGE PREP<br>Location TBA      | COLLEGE PREP<br>Location TBA      |                   |
| 1:10 - 2:00   | RECITATION/RWA<br>Location TBA    | RECITATION/RWA<br>Location TBA    | RECITATION/RWA<br>Location TBA    | RECITATION/RWA<br>Location TBA    |                   |
| 2:10 - 3:00   | NJIT Experience<br>Location TBA   | NJIT Experience<br>Location TBA   | NJIT Experience<br>Location TBA   | NJIT Experience<br>Location TBA   |                   |
|               | 7-Jul                             | 8                                 | 9                                 | 10                                | 11                |
| 8:30 - 9:00   | CHALLENGE TIME<br>Location TBA    | CHALLENGE TIME<br>Location TBA    | CHALLENGE TIME<br>Location TBA    | CHALLENGE TIME<br>Location TBA    | <b>No Classes</b> |
| 9:10 - 10:00  | MATHEMATICS-Cal E                 | MATHEMATICS-Cal E                 | MATHEMATICS-Cal E                 | MATHEMATICS-Cal E                 |                   |
| 10:10 - 11:00 | MATHEMATICS-Cal E<br>Location TBA | MATHEMATICS-Cal E<br>Location TBA | MATHEMATICS-Cal E<br>Location TBA | MATHEMATICS-Cal E<br>Location TBA |                   |
| 11:10 - 12:00 | COLLEGE PREP<br>Location TBA      | COLLEGE PREP<br>Location TBA      | COLLEGE PREP<br>Location TBA      | COLLEGE PREP<br>Location TBA      |                   |
| 1:10 - 2:00   | RECITATION/RWA<br>Location TBA    | RECITATION/RWA<br>Location TBA    | RECITATION/RWA<br>Location TBA    | RECITATION/RWA<br>Location TBA    |                   |
| 2:10 - 3:00   | NJIT Experience<br>Location TBA   | NJIT Experience<br>Location TBA   | NJIT Experience<br>Location TBA   | NJIT Experience<br>Location TBA   |                   |
|               | 14-Jul                            | 15                                | 16                                | 17                                | 18                |
| 8:30 - 9:00   | CHALLENGE TIME<br>Location TBA    | CHALLENGE TIME<br>Location TBA    | CHALLENGE TIME<br>Location TBA    | CHALLENGE TIME<br>Location TBA    | <b>No Classes</b> |
| 9:10 - 10:00  | MATHEMATICS-Cal E                 | MATHEMATICS-Cal E                 | MATHEMATICS-Cal E                 | MATHEMATICS-Cal E                 |                   |
| 10:10 - 11:00 | MATHEMATICS-Cal E<br>Location TBA | MATHEMATICS-Cal E<br>Location TBA | MATHEMATICS-Cal E<br>Location TBA | MATHEMATICS-Cal E<br>Location TBA |                   |
| 11:10 - 12:00 | COLLEGE PREP<br>Location TBA      | COLLEGE PREP<br>Location TBA      | COLLEGE PREP<br>Location TBA      | COLLEGE PREP<br>Location TBA      |                   |
| 1:10 - 2:00   | RECITATION/RWA<br>Location TBA    | RECITATION/RWA<br>Location TBA    | RECITATION/RWA<br>Location TBA    | RECITATION/RWA<br>Location TBA    |                   |
| 2:10 - 3:00   | NJIT Experience<br>Location TBA   | NJIT Experience<br>Location TBA   | NJIT Experience<br>Location TBA   | NJIT Experience<br>Location TBA   |                   |

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### NJIT/Newark Math Success Initiative (MSI) – Cohort 2025 Proposal for the Student and Teacher Component

CLASSROOM: TBA

SUMMER 2025

Arrival: 8:10 am

#### NJIT/Newark Math Success Initiative (MSI) - Calculus Enrichment Schedule

|               | MONDAY                            | TUESDAY                           | WEDNESDAY                         | THURSDAY                          | FRIDAY            |
|---------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-------------------|
|               | 21-Jul                            | 22                                | 23                                | 24                                | 25                |
| 8:30 - 9:00   | CHALLENGE TIME<br>Location TBA    | CHALLENGE TIME<br>Location TBA    | CHALLENGE TIME<br>Location TBA    | CHALLENGE TIME<br>Location TBA    | <b>No Classes</b> |
| 9:10 - 10:00  | MATHEMATICS-Cal E                 | MATHEMATICS-Cal E                 | MATHEMATICS-Cal E                 | MATHEMATICS-Cal E                 |                   |
| 10:10 - 11:00 | MATHEMATICS-Cal E<br>Location TBA | MATHEMATICS-Cal E<br>Location TBA | MATHEMATICS-Cal E<br>Location TBA | MATHEMATICS-Cal E<br>Location TBA |                   |
| 11:10 - 12:00 | COLLEGE PREP<br>Location TBA      | COLLEGE PREP<br>Location TBA      | COLLEGE PREP<br>Location TBA      | COLLEGE PREP<br>Location TBA      |                   |
| 1:10 - 2:00   | RECITATION/RWA<br>Location TBA    | RECITATION/RWA<br>Location TBA    | RECITATION/RWA<br>Location TBA    | RECITATION/RWA<br>Location TBA    |                   |
| 2:10 - 3:00   | NJIT Experience<br>Location TBA   | NJIT Experience<br>Location TBA   | NJIT Experience<br>Location TBA   | NJIT Experience<br>Location TBA   |                   |
|               | 28-Jul                            | 29                                | 30                                | 31                                | 1-Aug             |
| 8:30 - 9:00   | CHALLENGE TIME<br>Location TBA    | CHALLENGE TIME<br>Location TBA    | CHALLENGE TIME<br>Location TBA    | CHALLENGE TIME<br>Location TBA    | <b>No Classes</b> |
| 9:10 - 10:00  | MATHEMATICS-Cal E                 | MATHEMATICS-Cal E                 | MATHEMATICS-Cal E                 | MATHEMATICS-Cal E                 |                   |
| 10:10 - 11:00 | MATHEMATICS-Cal E<br>Location TBA | MATHEMATICS-Cal E<br>Location TBA | MATHEMATICS-Cal E<br>Location TBA | MATHEMATICS-Cal E<br>Location TBA |                   |
| 11:10 - 12:00 | COLLEGE PREP<br>Location TBA      | COLLEGE PREP<br>Location TBA      | COLLEGE PREP<br>Location TBA      | COLLEGE PREP<br>Location TBA      |                   |
| 1:10 - 2:00   | RECITATION/RWA<br>Location TBA    | RECITATION/RWA<br>Location TBA    | RECITATION/RWA<br>Location TBA    | RECITATION/RWA<br>Location TBA    |                   |
| 2:10 - 3:00   | NJIT Experience<br>Location TBA   | NJIT Experience<br>Location TBA   | NJIT Experience<br>Location TBA   | NJIT Experience<br>Location TBA   |                   |
|               | 4-Aug                             | 5                                 | 6                                 | 7-Jan                             | 8                 |
| 8:30 - 9:00   | CHALLENGE TIME<br>Location TBA    | CHALLENGE TIME<br>Location TBA    | CHALLENGE TIME<br>Location TBA    | CHALLENGE TIME<br>Location TBA    | <b>No Classes</b> |
| 9:10 - 10:00  | MATHEMATICS-Cal E                 | MATHEMATICS-Cal E                 | MATHEMATICS-Cal E                 | MATHEMATICS-Cal E                 |                   |
| 10:10 - 11:00 | MATHEMATICS-Cal E<br>Location TBA | MATHEMATICS-Cal E<br>Location TBA | MATHEMATICS-Cal E<br>Location TBA | MATHEMATICS-Cal E<br>Location TBA |                   |
| 11:10 - 12:00 | COLLEGE PREP<br>Location TBA      | COLLEGE PREP<br>Location TBA      | COLLEGE PREP<br>Location TBA      | COLLEGE PREP<br>Location TBA      |                   |
| 1:10 - 2:00   | RECITATION/RWA<br>Location TBA    | RECITATION/RWA<br>Location TBA    | RECITATION/RWA<br>Location TBA    | RECITATION/RWA<br>Location TBA    |                   |
| 2:10 - 3:00   | NJIT Experience<br>Location TBA   | NJIT Experience<br>Location TBA   | NJIT Experience<br>Location TBA   | NJIT Experience<br>Location TBA   |                   |
| 6:00 - 7:30   |                                   |                                   |                                   | <b>CLOSING CEREMONY</b>           |                   |



## EXHIBIT A – SCOPE OF WORK

### NJIT/Newark Math Success Initiative (MSI) – Cohort 2025 Proposal for the Student and Teacher Component

**Table 2 – Sample Summer 2025 Schedule – Teachers (Professional Development)**

|  |                                    |                                    |  |  |                  |  |
|--|------------------------------------|------------------------------------|--|--|------------------|--|
| CLASSROOM: TBD   |                                    |                                    | SUMMER 2025                              |  | Arrival: 8:30 am |  |
| NJIT/Newark Math Success Initiative (MSI) -Teacher PD Schedule |                                    |                                    |  |  |                  |  |
|  | MONDAY                             | TUESDAY                            | WEDNESDAY                                | THURSDAY                                 | FRIDAY           |  |
|  | 23-Jun                             | 24                                 | 25                                       | 26                                       | 27               |  |
| 8:30 - 9:00  | No PD                              | No PD                              |  |  | No PD            |  |
| 9:00 - 10:30   |                                    |                                    | Content Knowledge<br>Location TBD        | Content Knowledge<br>Location TBD        |                  |  |
| 10:45 - 12:15  |                                    |                                    | Pedagogy<br>Location TBD                 | Pedagogy<br>Location TBD                 |                  |  |
| 1:15 - 3:00  |                                    |                                    | Adv. Topics/Applications<br>Location TBD | Adv. Topics/Applications<br>Location TBD |                  |  |
|  | 30-Jun                             | 1-Jul                              | 2  | 3  | 4                |  |
| 8:30 - 9:00  | CHALLENGE TIME<br>Location TBD     | CHALLENGE TIME<br>Location TBD     | CHALLENGE TIME<br>Location TBD           | CHALLENGE TIME<br>Location TBD           | No PD            |  |
| 9:10 - 11:00   | MATHEMATICS-Enrich<br>Location TBD | MATHEMATICS-Enrich<br>Location TBD | MATHEMATICS-Enrich<br>Location TBD       | MATHEMATICS-Enrich<br>Location TBD       |                  |  |
| 11:10 - 12:00  | LESSON REFLECTION<br>Location TBD  | LESSON REFLECTION<br>Location TBD  | LESSON REFLECTION<br>Location TBD        | LESSON REFLECTION<br>Location TBD        |                  |  |
| 1:10 - 2:00  | RECITATION/RWA<br>Location TBD     | RECITATION/RWA<br>Location TBD     | RECITATION/RWA<br>Location TBD           | RECITATION/RWA<br>Location TBD           |                  |  |
| 2:10 - 3:00  | LESSON REFLECTION<br>Location TBD  | LESSON REFLECTION<br>Location TBD  | LESSON REFLECTION<br>Location TBD        | LESSON REFLECTION<br>Location TBD        |                  |  |
|  | 7-Jul                              | 8                                  | 9  | 10                                       | 11               |  |
| 3:10 - 4:00  | No PD                              |                                    |  |  |                  |  |
|  | 14-Jul                             | 15                                 | 16                                       | 17                                       | 18               |  |
| 3:10 - 4:00  | No PD                              |                                    |  |  |                  |  |
|  | 21-Jul                             | 22                                 | 23                                       | 24                                       | 25               |  |
| 3:10 - 4:00  | No PD                              |                                    |  |  |                  |  |
|  | 28-Jul                             | 29                                 | 30                                       | 31                                       | 1-Aug            |  |
| 3:10 - 4:00  | No PD                              |                                    |  |  |                  |  |
|  | 4-Aug                              | 5                                  | 6  | 7  | 8                |  |
| 8:30 - 9:00  | CHALLENGE TIME<br>Location TBD     | CHALLENGE TIME<br>Location TBD     | CHALLENGE TIME<br>Location TBD           | No PD                                    | No PD            |  |
| 9:10 - 11:00   | MATHEMATICS-Enrich<br>Location TBD | MATHEMATICS-Enrich<br>Location TBD | MATHEMATICS-Enrich<br>Location TBD       |  |                  |  |
| 11:10 - 12:00  | LESSON REFLECTION<br>Location TBD  | LESSON REFLECTION<br>Location TBD  | LESSON REFLECTION<br>Location TBD        |  |                  |  |
| 1:10 - 2:00  | RECITATION/RWA<br>Location TBD     | RECITATION/RWA<br>Location TBD     | RECITATION/RWA<br>Location TBD           |  |                  |  |
| 2:10 - 3:00  | LESSON REFLECTION<br>Location TBD  | LESSON REFLECTION<br>Location TBD  | LESSON REFLECTION<br>Location TBD        |  |                  |  |
| 6:00 - 7:30  |                                    |                                    |  | CLOSING CEREMONY                         |                  |  |