

PRIORITY #1 – Diversity in STEM Pathways

Activity	Description
Women in Science, Technology, Engineering, and Math (WiSTEM) and Women in Engineering (WiENG)	An ETHS student group that is a junior chapter of Northwestern's Society of Women Engineers (SWE). NU staff, faculty, undergrad, and graduate students sponsor and coordinate the group, offering learning, empowerment, opportunities, and resources for students whose gender identity is underrepresented in STEM spaces. Highlights this year include lab shadow days, guest speaker panels, and community outreach with D65. An engineering specific branch was added this year, WiENG, co-facilitated by ETHS teacher Cindy Curtis, who led the students to build underwater robots and compete in a state-wide competition.
Baxter Center for Science Education (BCSE)	Northwestern and Baxter co-sponsor the BCSE that provides teacher professional development, laboratory loaner equipment, and student events. ETHS teachers have participated in the BCSE Baxter Symposium and PD workshops. The BCSE provides ongoing support to the new Biotechnology elective ETHS science course and student independent research projects.
Technological Innovations for Inclusive Learning & Teaching (tiilt) Lab	SESP Professor Marcelo Worsley collaborated with ETHS soccer teams and Statistics teachers to experiment with smart soccer and basketballs that collect real-time data and teach computer coding. In related research, supported by NEERA, Marcelo has collected student surveys that ask ETHS athletes about their attitudes towards computer science.
Project Med Speaker Series	The NU student organization Project Med organizes guest speaker events for the ETHS Health Science Careers Course, Anatomy classes, and HOSA. Project Med also offers ETHS students a database of extracurricular and summer career exploration opportunities and is developing a small-group mentorship program.
STEM Shadow Days	ETHS students shadow one-on-one with graduate students in various STEM Labs.
Society for Hispanic Professional Engineers, Jr. Chapter	NU SHPE provides coaches/mentors for the Jr. Chapter at ETHS.
EvanSTEM Committee	The NU/ETHS Partnership Office is a key component of the EvanSTEM Committee to map and expand the STEM Ecosystem in Evanston, with a particular focus on providing access and opportunity to underserved populations of students. NU and ETHS students led activities at the annual STEM Fest for D65 students and Dawes Science Saturdays.
Digital Youth Network and STEAMBassadors	Supported by Nicole Pinkard, ETHS Alumni are employed through the Digital Youth Network (DYN) program with built-in skill development, training, and certification opportunities offered to develop post-secondary career pathways. In Evanston, STEAMBassadors have worked with Professor kihana mariya ross, MapsCorps, and Robert Crown Community Center.
Digital Youth Divas	Digital Youth Divas is an out-of-school learning environment for D65 girls providing mentorship and computer coding skill development. ETHS WiENG students are building connections with Divas as role models.
Feinberg Day	Dr. Angelique Dueñas, Director of Northwestern Anatomy Lab, hosts ETHS Anatomy and Health Science classes annually at Feinberg School of Medicine to engage with the lab team and medical students.
GeoPaths	Northwestern Geophysics Professor Suzan Van Der Lee guest lectures in ETHS Science classes, hosts female students in her lab annually, and has installed 2 geo-monitoring stations at ETHS with seismometers connected to the global data network.

Mentorship Opportunities for Research and Engagement (M.O.R.E)	NU graduate student organization Mentorship Opportunities for Research and Engagement (M.O.R.E) organizes virtual Monthly Mondays with MORE career pathway talks. These are open to all ETHS students and feature 2 graduate students per month who discuss their research, academic, and career pathways.
Center for Interdisciplinary Education and Research in Astrophysics (NU CIERA)	Through Northwestern's CIERA group, the ETHS Astronomy and Astrophysics courses receive support and collaboration including joint events and professional development. This year, CIERA hosted public events, student interns, and ETHS science teachers in their research department.
Oakton Futures Unlimited Day	ETHS teachers and students from WiSTEM, SHPE Jr, NSBE Jr, and Project Lead the Way facilitate workshops for the annual Oakton Futures Unlimited Day for all 400+ eighth grade girls in District 65. ETHS STEAM clubs and NU volunteers from GradSWE, Baxter Center, and Digital Divas held breakout sessions at the 2022 gathering for over 200 D65 students.
Summer Opportunities in STEM	The Partnership Office curates a list of summer opportunities in STEM, including internships, camps, courses, and research programs. The list has a particular focus on opportunities for underrepresented groups in STEM and includes programs across the country beyond those available at Northwestern.
Summer Lab Internships	Available to select ETHS Juniors and Seniors, Northwestern labs offer multiple opportunities for summer lab internships each summer. Notable this year include ETHS students who were awarded paid internships in the Center for Advanced Regenerative Medicine and Dr. Driscoll's Physics lab.
Career Day for Girls	Northwestern Chapter of Society for Women Engineers hosts a Career Day for Girls annually for grades 6-12, waiving the fee for Evanston students to attend.
Project Lead the Way Guest Speaker Series	Northwestern students and faculty provide support throughout the year for the PLTW Capstone Course an Engineering Design & Development. Connections include the MMM Program (Kellogg & Segal Design Institute), the Masters in Product Development (MPD), and the Manufacturing and Design Engineering (MaDE).
Women in Computing	Northwestern Women in Computing supports the ETHS student organization Girls Who Code. They host annual "hack-a-thon" events at NU for middle and high school girls.
Forensics Collaboration	ETHS Forensics Courses collaborate with Northwestern through attending professional development workshops with the Baxter Center for Science Education and hosting guest speakers from the Center for Wrongful Convictions and the Medill Justice Project.
Massive Open Online Courses (MOOC)	Through Northwestern's Massive Open Online Courses (MOOC), ETHS students can participate in college courses. Some MOOCs such as <i>Healthcare 101: Your Career in Medicine</i> , are specifically designed for high school students.
Computational Thinking in STEM (CT-STEM)	This Northwestern Research and Design project involves ETHS STEM teachers in designing and implementing curriculum to integrate computational thinking across disciplines.
Grant Outreach Ideation	The Partnership Office collaborates with Northwestern faculty in designing meaningful outreach strategies that align with D202 goals and ETHS programs for grant applications. These include grants in Computer Science, Psychology, Learning Sciences, Astrophysics, Mathematics, Geophysics, Earth and Atmospheric Science, Materials Science, the Center for Regenerative Medicine, Biomedical, Civil and Environmental Engineering.

ETHS Math Department	This year, the ETHS Math Department added a new Data Science course. The teaching team collaborated with SESP Graduate Student Ashley Quinterio, NU staff, and other faculty as they iterated on the You Cubed curriculum.
Causeway Program Fellows	NU Professor Santiago Cañez is collaborating with ETHS Math Dept. to host a new cohort of the Causeway program fellows in classrooms and the Math Study Center. The Causeway Postbaccalaureate Program is a yearlong experience that seeks to increase the number of doctoral students in competitive programs in the mathematical sciences from groups historically under-represented in these disciplines.
Youth Technology Corps	ETHS student organization Youth Technology Corps (YTC) is developing collaborations with McCormick School of Engineering and the Rotary club as they expand their international relationships through hosting fellows from the US State Department's Community Engagement Fellows program.
Query InQbation	NU's Query InQbation Lab hosted a series of Tech Talks that are free and open to the community, with special invitations to ETHS teachers and students.
NGSS Teacher Professional Development	Northwestern University Professor Brian Reiser is one of the key architects of the Next Generation Science Standards. Reiser leads a professional development series to assist teachers with redesigning curriculum to align with the new standards. ETHS teachers assist as master teachers in these workshops.

PRIORITY #2 – STEAM: Integrating Arts and Design into STEM

Activity	Description
STEAM Design Thinking and Innovation Course	Designed in collaboration with Northwestern, ETHS' STEAM Design Thinking and Innovation Course receives ongoing support from the university. The course is modeled after interdisciplinary courses and programs at Northwestern that promote arts, design, and creativity throughout the STEM disciplines. Northwestern collaborations span across the university, coordinated by a Northwestern student fellow hired each year from the Center for Civic Engagement's Public Interest Program.
Transdisciplinary Science Course	After 2 years of development, ETHS is offering a new Transdisciplinary Science Course that integrates literacy and learning from visionary and speculative fiction. The program was informed by work with SESP faculty Shirin Voussoughi and Megan Bang. The teaching team seeks input and ideas at think tank events with SESP graduate students, faculty, and staff in this innovative and promising course design.
Technology, Race, Ethics, and Equity in Education (TREE) Lab	Northwestern Computer Science Professor Sepehr Vakil supports a number of collaborative efforts. The Young People's Race, Power, and Technology Project brought together students from Northwestern, Evanston, and Sullivan High School in Chicago to produce a series of short documentary film segments examining the intersection of race, power, and technology, which are then used in several ETHS courses as learning resources. TREE Lab is engaging with ETHS Education Technology team for design and professional learning interrogating the intersection of schools, technology, data, privacy, and ethics.
Biomechanics Day	Led by Dr. Wendy Murray in conjunction with the National Biomechanics Day, ETHS Principles of Engineering students spent a day at the Shirley Ryan Ability Labs. Students heard from different research groups that work with biomechanics fields advancing medicine, veterinary science, sports, etc. with their innovative research and practice.

The Center for Synthetic Biology	The Center for Synthetic Biology is collaborating with ETHS Science teachers to develop curriculum content using cell-free protein synthesis as indicators for various biological and environmental variables. They are providing all supplies and supporting units that the cooperating teachers would like to try in classrooms.
Caped Clinicians	Northwestern student startup Caped Clinicians are connecting with ETHS Science teachers in creating graphic visual representations of science topics to be used as learning tools.

PRIORITY #3 – College Access and Career Preparation

Activity	Description
Community-Based Research Methods and Educational Justice (CBRM-Educational Justice) Joint Course	This Northwestern course from the School of Education and Social Policy was co-created by Professors Shirin Vossoughi and Megan Bang, ETHS teachers Corey Winchester and TaRhonda Woods, through funding from an NU Alumnae grant promoting innovation in education. The joint course provides an opportunity for NU and ETHS students to learn together as colleagues in the class. This was the third run of the successful course that is a model for future joint course creation.
AVID Senior College Experience: College 101	Undergraduate student leaders organize and facilitate a series of activities for the ETHS AVID seniors to prepare for college life. They hosted a panel discussion about college academics, a fishbowl conversation about social-emotional college readiness, and a field day on campus as a backdrop for students to prepare for their college journey.
Northwestern Academy Evanston	Northwestern Academy Evanston provides four years of college and career advising and support for high school students from low-income and first generation families. Funding support for the program covers expenses such as summer college access programming, campus visits, and application expenses.
College Prep Program Summer In Focus	Students enrolled in ETHS' AVID program, Northwestern Academy Evanston, Y.O.U., YAchievers, and Evanston Scholars can attend Northwestern's College Preparation Program with scholarships that cover full tuition, books, and fees.
ETHS Summer Language Learners	ETHS students taking a summer ELL class, a course designed for students to practice their conversation skills, spent a day on Northwestern campus exploring American college life.
Emerge Leadership Program	The ETHS Community Service Office coordinates this program with Northwestern student volunteers to teach leadership skills through a variety of workshops. The Community Service Office is hosted by 2 NU alumni who transitioned from PIP Fellows to full-time ETHS staff.
ETHS Wildkit Academy	Northwestern students and alumni work at the ETHS Wildkit Academy Saturday program to run SAT prep sessions and provide 1:1 tutoring.
Bienestar	NU undergraduates began a new service-oriented club, Bienestar. In conjunction with ETHS, they match Latinx ETHS students with Latinx NU mentors under a small-group model. Bienestar collaborates with the Latino Advisory Committee meeting to talk with parents about their new mentoring program and iterate on their program design.
iKit Internship Model	Northwestern hosts ETHS students with NUIT for internships through the iKit program during spring and summer breaks.

Northwestern Public Interest Program Fellowships (NUPIP)	ETHS is a site host for Northwestern Alumni through NUPIP in one year fellowships working in areas such as Equity Fellows, Community Service, Design Innovation, and Work-Based Learning.
Participatory Budgeting	In collaboration with the City of Evanston' Participatory Budgeting work, Professor Matt Easterday leads Northwestern students in community organizing, engagement, and outreach while promoting and supporting the unique city program. The NU team engaged with ETHS Community Service, Civics, Data Science, and AP Government courses this year.
NDSS Program	Northwestern's Non-Degree Seeking Special Students (NDSS) Program provides the opportunity and full funding support for ETHS students to take University courses in foreign language and computer science. The courses are available for students who have exhausted these course sequences at the high school.
NU Mentors for Latino Quest	Northwestern students from Omega Delta Phi Fraternity Inc. and other Latinx NU Students mentor ETHS high school students. They have had presentations for students on college life, applying to college, and choosing a major.
National High School Institute	Also known as the "Cherubs," this summer program provides students the opportunity to enroll in debate, theater, and film production. Northwestern provides scholarship funds dedicated to high-achieving ETHS students from low-income households.
Evanston Scholars	The Partnership Office provides logistic support, resources, and connections to NU student volunteers for this community-based college access mentorship program.
Kellogg Cares Day	This annual Kellogg event hosted by NU Kellogg's Education Club brings Northwestern students and faculty to ETHS for career exploration conversations during a day of classroom visits to Algebra in Entrepreneurship, Business Law, and Marketing classes.
Poetry Week Collaboration	The Partnership Office supports ETHS Poetry Week by hosting a series of writing workshops and poetry reading events run by NU faculty and students.
ETHS Topics in Mathematics Course	Each year Northwestern funds a Math Professor at ETHS to teach a Special Topics in Mathematics course for students who have completed multi-variable calculus.
NU Library Partnership	Northwestern Libraries extend privileges to ETHS students & staff, coordinating interlibrary loan, access to facilities, and online resources.
International Office Programs	Through Northwestern's International Office, ETHS families host NU students with Conversation Partners Program through the Community Council for International Students (CCIS).
ETHS Marching Band Collaboration	ETHS Bands collaborate with Dan Farris and the Northwestern University Marching Band through NU Band Day, Kits, Cats, and Kids Block Party, and the Evanston Day game at NU.
Mayor's Summer Youth Employment Program	NU employs 30+ ETHS students every year as part of Evanston's Mayor's Summer Youth Employment Program.

ETHS Civics Fair Volunteers	Northwestern faculty and staff hosted discussion tables at ETHS' annual Civics Fair. NU departments included the Program of African Studies, Latino/a Studies, Middle East and North African Studies, Participatory Budgeting, and the Center for Diversity & Democracy.
The Writing Place	ETHS teachers work in collaboration with Northwestern's Writing Place. They support the NU student tutors to connect writing, social justice, and youth voice.
Northwestern Splash	Northwestern Splash is an annual Saturday event that hosts high school students from around the area, engaging them in NU student-run mini-courses in a variety of topics.

PRIORITY #4 – Identity and Social Consciousness

Activity	Description
Black Men LEAD	Northwestern and ETHS students collaborate on a joint Black Men LEAD Initiative to bring together Black Male undergraduate, graduate, and high school students for informal intergenerational mentorship and engagement. The NU students designed and hosted a full day conference at Northwestern. They have several opportunities for engagement throughout the quarter including social, conversational, and service events.
Leadership for Racial Equity	Five Northwestern undergrads interned with the NU/ETHS Partnership Office as part of the new Leadership for Racial Equity program, assisting with Summit planning networks and leading the College 101 AVID series.
ETHS Black Student Summits	The Partnership Office supports ETHS' Black Summits each year with donations provided by the Office of Community Education Partnerships and the School of Education and Social Policy. Northwestern faculty, staff, and students from across the university engage through volunteer support ranging from designing and leading workshops, to providing logistic support. Highlights this year include volunteer support from NU students, donation for summit meals, and a workshop on reparations by Dr. kihana maraya ross.
ETHS Latinx Student Summit	The Partnership Office supports ETHS' Latinx Summit each year with donations provided by the Office of Community Education Partnerships and the School of Education and Social Policy. Northwestern faculty, staff, and students from across the university engage through volunteer support ranging from designing and leading workshops to providing logistic support. Highlights this year include staff organizing support and students and faculty facilitating a Latinx career workshop.
Middle East, North African, Asian American (MENAA) Student Summit	The Partnership Office supports ETHS' MENAA Summit each year with donations provided by the Office of Community Education Partnerships and the School of Education and Social Policy. Northwestern faculty, staff, and students from across the university engage through volunteer support ranging from designing and leading workshops to providing logistic support. Highlights this year include donations for supplies, staff volunteers joining in community conversations, and the conference keynote by Dr. Shalini Shankar.
LGBTQ+ Summit	The Partnership Office supports ETHS' LGBTQ+ Summit each year with donations provided by the Office of Community Education Partnerships and the School of Education and Social Policy. Northwestern faculty, staff, and students from across the university engage through volunteer support ranging from designing and leading workshops to providing logistic support. Highlights this year include a leadership workshop led by NU student volunteers and the conference keynote by Dr. Steven Thrasher.

Intro to Technology Spanish-Language Course	NU student Amor Delarosa led an 8-week Intro to Technology Class for ETHS families taught entirely in Spanish. Amor also worked with ETHS' Mercedes Fernandez to organize a level 2 workshop series based on parent feedback, with support from ETHS IT & Ed Tech.
Arabic Tables & MENA Languages	Students and faculty from Northwestern's MENA Languages Department host lunch gatherings with ETHS students interested in learning and practicing Arabic and creating community.
Students Organized Against Racism (SOAR)	Northwestern hosts and supports the annual SOAR Conference on campus.
Abilities Community Collaboration	Northwestern supports the planning and volunteer coordination for annual celebrations with the diverse abilities community.
One Book, One Northwestern	Northwestern's One Book, One Northwestern Program has created an array of programming open to the public around this year's selection <i>How the Word is Passed</i> by Clint Smith. The Partnership Office ordered 40 copies of this year's NU One Book selection <i>How the Word is Passed</i> to provide the book to all the ETHS History Teachers.
Title IX Celebration	Northwestern Athletics connected with ETHS sports teams to attend sessions celebrating the 50 th anniversary of Title IX.
Mary & Leigh Block Museum of Art	The Mary & Leigh Block Museum collaborates with various ETHS teachers and programs each year based on their current exhibition. This year's highlights included visits to "A Site of Struggle" and "The Heart's Knowledge" exhibits with STEAM classes, Civics classes, Emerge Leadership, and Transdisciplinary Science classes.
NU BIO Study	Northwestern's Context of Adolescent Stress and Thriving (COAST) Lab is conducting the Biology Identity and Opportunity (BIO) Research Study with ETHS. The study aims to examine adolescent stress and positive identity development over a longitudinal study.
Native & Indigenous Community Engagement	Northwestern student and faculty leaders provide support and consultation as ETHS develops a land acknowledgement and opportunities for teaching and learning with our Native & Indigenous community. ETHS leaders are reconvening with NU's Megan Bang and Jasmine Gurneau to collaborate on development and implementation of a land acknowledgement, as well as other community learning opportunities.
Leadership Development & Community Engagement (LDCE)	Student Affairs' LDCE organizes undergrad volunteers and opportunities for community learning through programs such as Community Engagement Coalition, Social Justice Advocacy workshops, Community Service collaborative events, and the Leadership Framework shared with ETHS staff.
Northwestern Student Volunteers	Each year, various Northwestern student volunteers work with a number of ETHS departments, including the Math Study Center, AVID Tutors, and College & Career Services.
Sigma Pi Phi Fraternity, Delta Alpha Boulé	Northwestern faculty, staff, and students volunteer with the Boulé Foundation, which provides mentorship, programming, and scholarship support for young Black male ETHS students.

ADDITIONAL COLLABORATIONS

Activity	Description
Northwestern Evanston Educational Resarch Alliance (NEERA)	The Northwestern Evanston Educational Resarch Alliance brings together D202, D65, and Northwestern collaborators. The work includes data-sharing, research alignment, and increased capacity for the District's Research and Evaluation Departments.
Kits, Cats, & Kids Block Party	Northwestern, City of Evanston, D202, and D65 collaborate to organize an annual community block party celebration with a joint pep rally including NU and ETHS Marching Bands, athletics, and collaborative activities for families at this free fall event.
Consultation with NU Student Groups	The Northwestern Partnership Office consults with multiple student organizations that are interested in outreach with ETHS in order to provide guidance, support, and ensure alignment with D202 goals.
Center for Civic Engagement Certificate Program	ETHS hosts an annual event for Northwestern's Center for Civic Engagement's Snapshot of Teen Life.
Practicum Sites	ETHS provides practicum sites for Northwestern's School of Education and Social Policy Students each year. Northwestern Alumni who are now ETHS faculty engage with future educators as guest speakers, discussants, and mentors.
Facilities Use	ETHS has privileges to use space at Northwestern for a variety of functions such as Beyond Diversity, D202 Board Retreat, and the annual Leadership Retreat. In kind, ETHS provides facilities for Northwestern for events such as Evanston Day for the Summer Academic Workshop, Freshmen Urban Program, TunePad D65 Showcase, and Alternative Student Breaks.
Adjunct Faculty	Several ETHS Administrators and teachers serve as Adjunct Faculty in Northwestern's School of Education and Social Policy in the MSED program.
ETHS Teacher Summer Opportunities	ETHS Teachers participate in a variety of opportunities at Northwestern during the summer, such as teaching courses for the Center for Talent Development, participating in Research Experiences for Teachers in Northwestern laboratories, and consulting on research and curriculum projects.
NU Equipment Donations	Northwestern donates gently used laboratory equipment to ETHS for classroom use.
Educational Studies Course Sequence Interns	Northwestern's Masters of Science in Education (MSED) program placed two cohorts of master's students who are working with ETHS Ed Tech and FASH teams for their ongoing internships and action-based research project development.
Teacher Residency Model	In partnership with Northwestern's Master of Science in Education (MSED) program, a group of ETHS leaders and practitioners are collaborating to co-create a new residency model of teacher preparation.

Narrative Story-Telling Curriculum	ETHS teacher Patti Delacruz worked with NU Professor Eva Lam to implement some narrative story-telling curriculum modules that they co-designed in partnership.
In-School Truancy Research	Dr. Simone Ispa-Landa is working with ETHS leadership to develop the plan for the WTGrant research focused on school truancy. This ongoing research initiative aims to help ETHS leaders understand patterns and motivations in class attendance.