

**Broader Impacts Program Models, Partners and Resources**  
**Office of Sponsored Programs**  
Contact: [tfleming@cornell.edu](mailto:tfleming@cornell.edu) for more information

College, School or Organization	Department, Field, or Affiliation	Program Area(s)?	Program Goals?	Primary Program Participants	Contact Name	Contact Email
Area Studies Programs	South and Southeast Asia Programs, Digital Lending Library for K-12 Educators	Afterschool Language and Culture Program, Digital Lending Library for K-12 Educators, International Studies Summer Institute	Digital lending library and culture kits for K-12 educators to use as a supplemental resource when teaching about other cultures. International Studies Summer Institute is a two-day professional development program for K-12 teachers wanting to internationalize their curricula.	preK-12th grade students, educators, and administrators	Brenna Fitzgerald	<a href="mailto:bef7@cornell.edu">bef7@cornell.edu</a>
Astronomy	Astronomy Outreach Program	Astronomy Outreach Programs, REU and multiple	REU, Outreach	Undergraduates	Patricia Fernandez de Castro	<a href="mailto:pf46@cornell.edu">pf46@cornell.edu</a>
College of Agriculture and Life Science	Biological and Environmental Engineering	Cornell Local Roads	The Cornell Local Roads Program LTAP Center provides training, technical assistance, and information to municipal officials and employees responsible for the maintenance, construction, and management of local highways and bridges in New York State.	Municipalities	David Orr	<a href="mailto:dpo3@cornell.edu">dpo3@cornell.edu</a>
College of Agriculture and Life Science	College of Human Ecology	New York State 4-H, STARR	Connecting 4-H members across the state and increasing their leadership capacity through expanded youth voice.	6-8th grade students, 9-12th grade students	Jamila Walida Simon	<a href="mailto:jws62@cornell.edu">jws62@cornell.edu</a>
College of Agriculture and Life Science	Cornell Botanic Gardens, Youth Programs	Kids Discover the Trail, Wildflower Exploration, Chocolatada Learning, Judy's Day	Main goal is to get Tompkins County 3rd grade students excited about plants! Judy's Day is large scale biannual Event in FR Newman Arboretum engaging families and community to learn about plants.	preK-5th grade students, families	Raylene Ludgate	<a href="mailto:rgL3@cornell.edu">rgL3@cornell.edu</a>
College of Agriculture and Life Science	Cornell Orchard Tours	Cornell Orchard Tours	Expose elementary school students to how food is produced.	preK-5th grade students	Marvin Pritts	<a href="mailto:mpp3@cornell.edu">mpp3@cornell.edu</a>
College of Agriculture and Life Science	Cornell Raptor Program	Cornell Raptor Program	Provide the public with information on the natural history, biology, and conservation of birds of prey.	preK-12th grade students, educators, and administrators, general public	Heather Huson	<a href="mailto:hjh3@cornell.edu">hjh3@cornell.edu</a>
College of Agriculture and Life Science	Geneva City School District Elementary Outreach Program	High School Summer Internship Program	K-12 tours, job shadowing, and STEM events.	preK-12th grade students, educators, and administrators	Christine Smart	<a href="mailto:cds14@cornell.edu">cgs14@cornell.edu</a>
College of Agriculture and Life Science	Naturalist Outreach Program	Naturalist Outreach Program, Insectapalooza, Naturalist Outreach STEM videos	Provide STEM presentations, events and media to K-12 students and families.	preK-12th grade students, preK-12 educators, adults	Linda S. Rayor	<a href="mailto:lsr1@cornell.edu">lsr1@cornell.edu</a>

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College of Agriculture and Life Science	Project-based Learning in Baton Rouge	Project-based Learning in Baton Rouge	Build undergraduates' capacity and commitment for leading project-based learning with elementary-age students; provide model projects for an under-resourced school that has made a commitment to project-based learning.	preK-5th grade students	Bryan Duff	<a href="mailto:bpd38@cornell.edu">bpd38@cornell.edu</a>
College of Agriculture and Life Science	School of Integrative Plant Sciences	Expanding Your Horizons, GRASSHOPR, Ithaca SMaRTS	Expose 7th, 8th and 9th grade girls to science through hands-on activities.	6-8th grade students, 9-12th grade students	Mary McKellar	<a href="mailto:mem40@cornell.edu">mem40@cornell.edu</a>
College of Agriculture and Life Science	School of Integrative Plant Sciences	Explore Your Opportunities, AAUW Westchester County Branch	NSF CAREER awardee: Prevent 7th grade girls from losing interest in science.	6-8th grade students	Adrienne Roeder	<a href="mailto:ahr75@cornell.edu">ahr75@cornell.edu</a>
College of Agriculture and Life Science	Undergraduate Education Minor	Film Club: undergrads in EDUC 4040 practice teaching and mentoring by running a film-making afterschool program at DeWitt Middle School	Community Service	6-8th grade students	Bryan Duff	<a href="mailto:bpd38@cornell.edu">bpd38@cornell.edu</a>
College of Agriculture and Life Science, Cooperative Extension	Animal Science	4-H Animal Science Programs	The mission is to connect youth to hands-on learning opportunities that help them grow into competent, caring, contributing members of society. In the Animal Science program, rural, suburban and urban young people enjoy animal-related projects that enhance knowledge and skills in biology and production systems, as well as encourage personal development.	preK-12th grade students, 4-H extension educators	Dana Palmer	<a href="mailto:dlp10@cornell.edu">dlp10@cornell.edu</a>
College of Agriculture and Life Science, Cooperative Extension	Cornell Garden-Based Learning	Educator Enrichment Workshops, Cornell Garden-Based Learning Statewide Youth Development Project, Youth Grow: Career Explorations	Provide professional development and resources to educators (formal and informal) who engage youth through garden-based education. Plan and coordinate a statewide youth development garden education project for CCE Educators and their networks (including school teachers). Host students on campus for a multi-day workshop focused on career exploration and gardening.	preK-12 educators, preK-12 administrators, Other informal educators, 9-12th grade students	Fiona Doherty	<a href="mailto:fcd9@cornell.edu">fcd9@cornell.edu</a>
College of Arts and Sciences	Latino/a Studies	Antojitos, poetry project, Cinco de Mayo celeration	Encourage youth to learn to cook, engage in healthy eating. Promote cultural awareness, celebration of Latino/a culture.	preK-12th grade students, community members	Debra Castillo	<a href="mailto:dac9@cornell.edu">dac9@cornell.edu</a>
College of Arts and Sciences	Mathematics	Math Outreach	Our program has been engaged in outreach and building solid partnerships with local teachers and schools. Outreach activities fall into three broad categories: Teacher Development, Opportunities for Grades K-12 Students, and Promoting Mathematics Awareness.	K-12 grade students	Mary Ann Huntley	<a href="mailto:mh688@cornell.edu">mh688@cornell.edu</a>
College of Arts and Sciences	North American Computational Linguistics Olympiad	North American Computational Linguistics Olympiad, Grasshopr, Cornell Splash	Exposing secondary students to linguistics and computational linguistics. Prapare graduatre students and undergraduate students to teach secondary school students about linguistics.	6-12th grade students	Abby Cohn	<a href="mailto:acc4@cornell.edu">acc4@cornell.edu</a>
College of Arts and Sciences	Physics Department	Presented for science week at IC3 summer camp	Outreach	preK-5th grade students	Jenny Wurster	<a href="mailto:jew16@cornell.edu">jew16@cornell.edu</a>

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College of Engineering	Civil and Environmental Engineering	AguaClara Cornell	A multidisciplinary program at Cornell that designs sustainable water systems. Gravity-powered, electricity-free technology is scalable to fit the needs of any community and currently provides clean water to 70,000 people.	International Communities	Monroe Weber-Shirk	<a href="mailto:mw24@cornell.edu">mw24@cornell.edu</a>
College of Engineering	CURIE Academy and CATALYST Academy	CATALYST Academy, CURIE Academy	Expose students to the exciting opportunities that exist for them in engineering. Help students understand that women and all underrepresented minorities belong and are needed in STEM fields. Demonstrate the connections between the study of engineering and solving problems affecting people and society.	9-12th grade students	Cindy Mosqueda	<a href="mailto:cmm522@cornell.edu">cmm522@cornell.edu</a>
College of Engineering	McCormick Teaching Excellence Institute in Engineering	NSF INCLUDES grant, connecting faculty and Upward Bound program and students, Upward Bound Saturday Academy, NSF Career Grant Proposal Workshop for Faculty	Partnering with Upward Bound and 23 faculty.	9-12th grade students, STEM Faculty	Kathryn Dimiduk	<a href="mailto:klc78@cornell.edu">klc78@cornell.edu</a>
College of Engineering	New Visions Engineering Program for High School Students, Professional Development for STEM Teachers, Multimedia Science Communication	New Visions in Engineering	Engineering Classes for High School Students on Campus.	High School Students, Teachers	Julie Nucci	<a href="mailto:jn28@cornell.edu">jn28@cornell.edu</a>
College of Engineering	Society of Women Engineers (SWE)	SWE Girl Scout Days, SWE Elementary, Middle and High School Outreach, Women in Engineering Day	Work with national partner organization of the Girl Scouts to inspire the next generation of women in STEM. Reach local elementary and middle school students through STEM to inspire the next generation of STEM innovators.	preK-5th grade students, 6-8th grade students	Haley Antoine	<a href="mailto:hla37@cornell.edu">hla37@cornell.edu</a>
College of Engineering	Teacher-Scientist Partnerships in Stem Cell Biology	Teacher Scientist Partnerships in Stem Cell Biology	Partnering with Stem cell consortium and local area school districts and schools: Elmira, Ithaca, several others.	preK-12 educators	Chris Schaffer	<a href="mailto:cs385@cornell.edu">cs385@cornell.edu</a>
College of Engineering	Women's Outreach in Materials, Energy and Nanobiotechnology	multiple	Outreach	9-12th grade students	Susan Daniel	<a href="mailto:sd386@cornell.edu">sd386@cornell.edu</a>
College of Human Ecology	PRYDE: Program for Research on Youth Development and Engagement	Building a Community Legacy Together, Social Media TestDrive, PRYDE: Program on Youth Development and Engagement	BCLT- directed by Dr. Karl Pillemer - main goals are to reduce ageism among youth and older adults and to teach young people research and interviewing skills. Social Media TestDrive - led by Dr. Natalie Bazarova - goals are to help children ages 9-13 learn to use social media in a healthy way, PRYDE led by various faculty and academic staff - goals are to conduct research relevant to youth in ways that also give back to youth programs and their leaders.	6-8th grade students, 9-12th grade students, preK-5th grade students; CCE 4-H educators and volunteers	Jennifer Agans	<a href="mailto:jpa75@cornell.edu">jpa75@cornell.edu</a>



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College of Human Ecology, Cooperative Extension	Bronfenbrenner Center for Translational Research	New York State 4-H, 4-H Career Explorations, Science Sampler Day	Career Explorations is a three-day event for NY state youth and over 20 departments on Cornell campus. The conference exposes youth to academic fields and career exploration and provides hands-on experience in a college setting and leadership experience. The event is made up of two grade specific tracts: University U for youth grades 8-9 and Focus for Teens for youth grades 10-12. Science Sampler Day offers younger youth a fun and exciting STEM learning experience on Cornell campus, and raise thier awareness of new education and career opportunities in STEM.	6-8th grade students, 9-12th grade students	Alexa Maille	<a href="mailto:ask37@cornell.edu">ask37@cornell.edu</a>
College of Human Ecology, Cooperative Extension, Division of Nutritional Sciences	FNEC/Expanding Food and Nututritional Educational Program	Choose Health: Food, Fun, and Fitness	Healthier eating and activity habits.	preK-8th grade students	Wendy Wolfe	<a href="mailto:ww16@cornell.edu">ww16@cornell.edu</a>
Cornell Affiliate	Boyce Thompson Institute	BTI Summer High School Internship, Plant Genome and Bioinformatics REU	Goals are to give HS students hands on lab experience and learn more about plant science careers.	9-12th grade students	Delanie Sickler	<a href="mailto:dbs266@cornell.edu">dbs266@cornell.edu</a>
Cornell Affiliate	Lab of Ornithology	Programs for youth, educators and adults	The Cornell Lab of Ornithology is a world leader in the study, appreciation, and conservation of birds. Our hallmarks are scientific excellence and technological innovation to advance the understanding of nature and to engage people of all ages in learning about birds and protecting the planet.	Youth, Adults, Public Groups, Citizen Scientists	Jennifer Fee	<a href="mailto:jms327@cornell.edu">jms327@cornell.edu</a>
Cornell Affiliate	Paleontological Research Institution, Museum of the Earth, Cayuga Nature Center	Climate change education	Informal STEM Education Programs, youth and adult	preK-5th grade students, 9-12th grade students	Ingrid Zabel	<a href="mailto:ihz2@cornell.edu">ihz2@cornell.edu</a>
Cornell Affiliate	Paleontological Research Institution, Museum of the Earth, Cayuga Nature Center	Evolution, Earth Science Education	Informal STEM Education Programs, youth and adult.	Youth, Families, Adults, Teachers, General Public	Robert Ross	<a href="mailto:rnr16@cornell.edu">rnr16@cornell.edu</a>
Cornell Center for Materials Research	Cornell Center for Materials Research (CCMR) Education and Outreach Programs, NSF MERSEC. Center-Grant.	K-12 STEM Teacher Professional Development, Research Experience for Teachers, Science Sampler Series in NYC. Graduate Student Outreach Opportunities, Research Experiences for Undergradutes and Teachers, Faculty Broader Impacts.	CCMR supports interdisciplinary materials research and development at Cornell. Provides many educational resources, in addition to offering a wide array of hands- on programs for our local community, the greater New York community, and students and teachers across the nation and in Puerto Rico.	K-12 Students and Teachers, Graduate Students and Faculty	Nev Singhota	<a href="mailto:nks5@cornell.edu">nks5@cornell.edu</a>

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Cornell Laboratory for Accelerator-based Sciences and Education (CLASSE)	CHESS and CLASSE, NSF Center Grant.	K-12 Educational and Outreach Programming with the Cornell High Energy Synchrotron Source (CHESS) and (CLASSE) research centers	Multiple K-12 Youth and Teachers, REU, JunkGenies, Physics Bus Programs. Xraise	preK--12th grade students	Erik Herman	<a href="mailto:eah229@cornell.edu">eah229@cornell.edu</a>
Cornell University Library	mannUfactory makerspace at Cornell University Library	Makerspace workshop for summer film academy	Many of the librarians in the system are involved in a variety of outreach activities to K-12 audiences in a variety of capacities, often involving library research or exhibits	K-12th grade students	Camille Andrews	<a href="mailto:ca92@cornell.edu">ca92@cornell.edu</a>
Cornell Veterinary Medicine	Advancing Secondary Science Education through Tetrahymena (ASSET)	K-12 STEM and educational outreach, provides well-developed science curricula, including opportunity for hands-on science using living organisms.	ASSET is an NIH SEPA funded science education outreach program. ASSET has developed a variety of modular science education materials designed to stimulate hands-on, inquiry-based learning of fundamental biological concepts. FishTracker is a student-oriented citizen science project based at Cornell University funded by the USDA National Institute of Food and Agriculture HATCH program.	3rd -5th grade students, 6-8th grade students, 9-12th grade students, preK-12 educators	Donna Cassidy-Hanley	<a href="mailto:dmc4@cornell.edu">dmc4@cornell.edu</a>
Johnson Museum of Art	Johnson Museum of Art School Programs	K-12 Outreach Programs, multiple	Expose students to collections of the Johnson and focus on culture, history, function, creation of works.	preK-5th grade students, 6-8th grade students, 9-12th grade students ,preK-12 educators	Carol Hockett	<a href="mailto:cih2@cornell.edu">cih2@cornell.edu</a>
Office of Sponsored Programs, OVPR	Office of Sponsored Programs	Broader Impacts Design, Partnerships with Sciencenter and others	To support faculty in development of Broader Impacts program design and partnerships.	Faculty with NSF grants	Tiffany Fleming	<a href="mailto:tfleming@cornell.edu">tfleming@cornell.edu</a>
Public Service Center	Public Service Center	Upward Bound, STEP, PreK-12 Student Outreach Groups: Big Red Buddies, EYES, YOURS, GRASSHOPR, ECA, SOS	College Readiness and Mentorship: Opportunities for Graduate Students to work with local teachers, studetns and schools.	preK-5th grade students	Jen Rudolph	<a href="mailto:jlr343@cornell.edu">jlr343@cornell.edu</a>
Public Service Center, Cooperative Extension	Raising Educational Attainment Challenge (REACH) Tutors	K-12 Tutoring and Tutor Placement, REACH (Raising Educational Attainment Challenge) Tutors	REACH Tutors - flexible placements in schools & youth community sites. REACH is Raising Educational Attainment Challenge - to assist students with moving forward in academic goals.		Sandy Hickey	<a href="mailto:sh36@cornell.edu">sh36@cornell.edu</a>
Risk Management	Cornell University	Consulting, legal advice, univeristy policy and procedures, best practices	Helps Cornell Programs and People manage the risks of working with minors on campus, or in the community	Staff and Faculty	Elliot Young	<a href="mailto:ecy27@cornell.edu">ecy27@cornell.edu</a>

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Cornell Nanoscale Science and Technology Facility (CNF)	CNF Outreach Programs	K-12 Outreach, REU Program, 4H Career Explorations, NanoDays, Facilities Tours, National Nanotechnology Day events (NSF-funded networks and program).	To promote awareness of nanoscience and nanotechnology and nano-related career exploration especially by youth. NSF-Center grant.	K-12th grade students and teachers, 4H Educators, college students	Beth Rhoades	<a href="mailto:err23@cornell.edu">err23@cornell.edu</a>
Sciencenter	Community Organization	Informal Science Education Visitor Programs, and Science Communication Workshops for Researchers	Collaborate with researchers to design programs where they can engage youth and families in an informal STEM learning environment.	Youth, Families, Adults, Head-Start Teachers, General Public	Elizabeth McDonald	<a href="mailto:emcdonald@sciencenter.org">emcdonald@sciencenter.org</a>
New Horizons	Student Organization	New Visions in Life Sciences, and Scientista	New Visions - expose students to research, Scientistas - promote STEM interest and awareness in young women.	9-12th grade students	Nozomi Nishimura	<a href="mailto:nn62@cornell.edu">nn62@cornell.edu</a>
Southeast Asia Program	Student Organization	International Studies Summer Institute, After School Language and Culture Program, Burma/Karen Project, Institute for K-12 Teachers	Train K-12 teachers on global/area studies topics, Introduce and inspire kids to learn foreign languages. Share knowledge about Burma/Myanmar with educators and social service providers who work with refugees from Burma.	preK-12 educators, 9-12th grade students, preK-12 educators, community members	Thamora Fishel	<a href="mailto:tf14@cornell.edu">tf14@cornell.edu</a>
WSKG Public Media	Community Organization	Multimedia Educational Programming, PBS Learning Media and SciGirls	Support educators through outreach and profesional development around PBS learning media.	Youth, Families, Adults, Teachers, General Public	Jacqueline Stapleton	<a href="mailto:istapleton@wskg.org">istapleton@wskg.org</a>