# **CASNR Involvement Opportunities with the Education & Career Pathways Team**

# **With Lincoln Northeast High School and Statewide School Partners**

## **Interact with K-12 partners and students:**

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### **On Campus Experiences**

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| Immersive Full Day Field Trip | Age Range | Sophomores in high school (15-16 year olds) and above |
| # of students | 30 students or less in a group |
| Time commitment | 9am to 2pm, four 30-35 minute engagement activities, hands-on learning, etc. |
| Dates | Lincoln Northeast High School: November 7 – 11, April 12 – 14 |
| Example(s) | Vet Science – students learned about and felt inside the four compartments of a cow’s stomachBSE – students used digital tools to learn about systems thinking regarding grassland conservationAg/Hort – students put together and took home a hydroponic lunch box with SpinachEntomology – students were engaged in learning about insects as pests and beneficial insectsAg Econ – students learned about Microeconomics and decision-makingForensic Science – students learned about Developing and Evaluating Fingerprint ImpressionsSNR – students learned about population density and resources usesFood Science – students created different food emulsions |
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| Host a Classroom | Age Range | Any high school age |
| # of students | Anywhere from seven to 30 students |
| Time commitment | 3 hours (prep, host, clean up) |
| Dates | Collaborate with teachers individually to determine best dates and times |
| Example(s) | Entomology – students came to East Campus and learned how to use the photomicroscopy lab to create detailed pictures of insectsDrone Training – students came to East Campus and learned how to safely fly drones to create video and photos of landscapes |
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| Summer Immersive Half Day Field Trip | Age Range | 8th grade students transitioning to freshmen year in high school (14-15 year olds) |
| # of students | 25 students or less in a group |
| Time commitment | Commit to one 30 minute engagement activity during 8:30am to 11am or, depending on arrival time of students, 9am to 11:30am |
| Dates | Lincoln Northeast High School: August 2 |
| Example(s) | See above, “Immersive Full Day Field Trip Examples” |
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| Host a student for College Class, Field Work, or Lab Work experience(s) | Age Range | Juniors or Seniors in high school (16-18 year olds) |
| # of students | one, unless willing to host more than one |
| Time commitment | depends on the experience and time available in student’s schedule |
| Dates | collaborate with coordinator (Tammy/Bailey), school, and student to determine best dates and times |
| Example(s) | * Allow a student to sit in on your college class, or match them with a college student to shadow around campus
* Invite a student to view or participate in collecting data, preparing for field work, organizing materials, etc.
* Show a student what a lab looks like, and the work students do, maybe even let them do a bit of pipetting

Etc. |
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### **Collaborate with K-12 Educators**

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| Summer Professional Development | Subjects | Teachers that teach any school subject (math, science, social studies – civics & history, art, skilled tech, health science, etc.) |
| # of teachers | 30 teachers or less in a group, you’d collaborate with a small group – 1 to 4 teachers at a time, planning lessons together |
| Time commitment | * Depends on what you have available & are willing to contribute:
	+ 30 minutes for a quick presentation about your department or studies
	+ Be available for an hour where you and the teacher(s) can talk through curriculum integration in more detail
	+ Be available all day for several different teachers to ask questions and get your feedback on what they are planning
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| Dates | Lincoln Northeast High School: June 27 – July 1Or, let us know if you’d be available to communicate with teachers via email during the summer |
| Example(s) | LNE, June 27: 10:30am – 11:30am and 1pm – 3:30pm, provide a quick 15-30 minute overview of your department* Best contact(s) for teachers
* Majors/minors
* Career opportunities
* Connection with Food, Energy, Water, Societal Systems
* Connection with K-12 curricular areas
* Resources that can be offered to classrooms (phenomena, real-life experiences, or hands-on activities or materials like soil cores or animal hearts)
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| “On-Call” during the school year | Subjects | Teachers that teach any school subject (math, science, social studies – civics & history, art, skilled tech, health science, etc.) |
| # of teachers | Depends on how many have questions or need to ask for your guidance during the school year, as they teach and plan their FEWSS integrated lessons. |
| Time commitment | Email communication – 30 minutes max |
| Dates | Throughout the school year (August – May) |
| Example(s) | * A teacher is preparing their cardiovascular system unit and is looking for hearts for students to dissect. The teacher has the contact information for you in Animal Science and emails you with this request.
* A teacher needs soil cores and additional information about how soil cores are used, what is analyzed, etc. for a unit in GeoScience.
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### **Nebraska Now**

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| 100- or 200- level, existing class, offer as a Nebraska Now course | Age Range | Juniors and Seniors in high school (16-18 years old) |
| # of students | Varies |
| Time commitment | Initially, 30 minutes (max) to complete process to add your course to the Nebraska Now listing (<https://admissions.unl.edu/specialized-information/nebraska-now/>) |
| Examples | <https://admissions.unl.edu/specialized-information/nebraska-now/#now/class-list> |
| The Process | 1. Determine whether you will allow high school students to attend in-person or on-line exclusively.
2. Take a course that you already teach and create a “800” section for online classes, or a “801” section for in-person classes with the help of your academic support staff (this section is only used for Nebraska Now courses, for billing purposes).
3. Communicate to Patty Sollars that you have created this section so she can coordinate with admission and add the offering to the Nebraska Now website.
4. More Information here: [NE Now Info for CASNR faculty.docx](https://uofnelincoln-my.sharepoint.com/%3Aw%3A/g/personal/bheafer2_unl_edu/ESzADiPXE3JFiJDJkjjqxJQBgDvmrYJ_vQjotOHEhUvvWA?e=F0aj0m)
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### **Guest Presenter at School(s)**

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| School Day Class Presentations (In-Person or Virtually) | Age Range | Any high school age |
| # of students | Approx. 30 students per class invited to presentation |
| Time commitment | 3+ hours (1 hour of prep, 1 hour travel & set up, 1 hour presentation) – more if presenting multiple times throughout the school day |
| Dates | Throughout the school year (August – May) |
| Example(s) | Entomology – came to LNE for two class periods with live insects at different stations where students took photos using macro lensesALEC, Ag/Hort, and Food Science – presented about Food Insecurity and the World Food Prize opportunity to all the LNE AFJROTC classes (all day long, all 5 class periods)Any Dept – could set up in the FEWSS Hub space and all civics classes, for example, would come down (larger group than 30) to listen and engage in presentation and hands-on learning activity |
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| Afterschool Club Activity (In-Person or Virtually) | Age Range | Any high school age |
| # of students | Anywhere from seven to 30 students |
| Time commitment | 3 hours (1 hour of prep, 1 hour travel & set up, 1 hour activity from 2pm to 3pm at LNE) |
| Dates | Tuesdays throughout the school year (August – May), 2pm-3pm |
| Example(s) | Check out the sign-up sheet from last year to get some ideas: [LNE Tuesday Activity Sign Up Sheet 2021 2022.xlsx](https://uofnelincoln-my.sharepoint.com/%3Ax%3A/g/personal/bheafer2_unl_edu/ER5YbU9M4rhBpby6hbdRi6EBtyJRTMql_ygfvEacu314Kw?e=pWRaFn)2022-2023 sign-up sheet here: [2022 2023 FEWSS Club Activity Sign Up Sheet.xlsx](https://uofnelincoln-my.sharepoint.com/%3Ax%3A/g/personal/bheafer2_unl_edu/EaEsdHSYTJFLtK7gjvnvgiUBbxZXKPIe1e30R1ZKnErF5g?e=ddKdPi) |
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### **Work-Based/Experiential Learning**

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| Research, Lab Work, Field Work | Age Range | Juniors and Seniors in high school (16-18 years old) |
| # of students | One to three students per semester |
| Time commitment | Each opportunity is unique, we would discuss based on student’s and your schedule & availability |
| Dates | School year, semester long or year long experiences are welcome |
| Example(s) | Allow the student to participate in any piece of a research project, assist them in some hands-on experience in a lab or in the field, etc. |
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| Job Shadow | Age Range | Juniors and Seniors in high school (16-18 years old) |
| # of students | One to three students per semester |
| Time commitment | Each opportunity is unique, we would discuss based on student’s and your schedule & availability |
| Dates | School year, one day or week long experiences are welcome |
| Example(s) | * Invite a student to follow you throughout your day or week, learning about your position and career
* Connect a student with someone in the industry or community that would allow them to shadow for a day or week
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| Internship | Age Range | Juniors and Seniors in high school (16-18 years old) |
| # of students | One to three students per semester |
| Time commitment | Each opportunity is unique, we would discuss based on student’s and your schedule & availability |
| Dates | School year, semester long or year long experiences are welcome |
| Example(s) | Often focused on entry-level or project-based experiences in a community organization or industry/company |
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| Career Fair | Age Range | Juniors and Seniors in high school (16-18 years old) |
| # of students | Varies, however many are welcome/invited |
| Time commitment | If willing to do a Career Fair preparation “seminar” for students, that is welcome (not required) – 1 hour or so. |
| Dates | collaborate with coordinator (Tammy/Bailey), school, and student to determine best dates and times |
| Example(s) | Invite high school juniors and seniors to local career fairs |
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### **Non-credit Competencies**

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| Short-term classes or experiences(Digital Badges) | Age Range | Juniors and Seniors in high school (16-18 years old) |
| # of students | Dependent on number of students interested and how many openings |
| Time commitment | No additional time required, if already offering this experience |
| Dates | Online or set dates decided upon by you |
| Example(s) | * Engler Entrepreneurship Modules: [ModuleMarketing\_Fall2022.pdf](https://uofnelincoln-my.sharepoint.com/%3Ab%3A/g/personal/bheafer2_unl_edu/EVeTlxz9IuVLpEbPfrGol1oBhURPJPhMOl7dP0UA1lr0wQ?e=SF5Jcc)
* AGRI 42 – link to flyer: [AGRI 42 Fall 2022.jpg](https://uofnelincoln-my.sharepoint.com/%3Ai%3A/g/personal/bheafer2_unl_edu/ERc3idJIxQ9FmAffp3gFep4BPEcOxpsINjrntzAQ1ttvZQ?e=hffKaL)
* Digital Badges
	+ Info and How-To: <https://extension.unl.edu/digital-badges/>
	+ Currently available and in development: <https://extension.unl.edu/current-digital-badges/>
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