

Project Title: Health Science **TRANSFUSION** Bus Tour

Timeline: Additional planning will commence at the notification of funding. However due to the activity date and the need for our project partners to plan much of the planning has already taken place. The Health Science **TRANSFUSION** Bus Tour will take place July 17 – 20, 2017, and will be concluded at that time.

Amount of Funds Requested: \$32,075.00

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Abstract of Proposal:

This project titled “Health Science **TRANSFUSION** Bus Tour” seeks to connect up to 24 secondary health science educators, 12 postsecondary educators two from each of the six Community College areas, and four ESU Program Development Coordinators, (which from this point on will be referred to as stakeholders) to align efforts around building stronger secondary health science programs in Nebraska with a focus on Class C1, C2, D1 and D2 rural schools. Along with building professional relationships and to familiarize each stakeholder group with ongoing course work and career readiness opportunities that complement each other’s efforts for the betterment of Nebraska CTE students. This project will also secure support for future career education projects from our stakeholders. Project participants will have hand on opportunities for technical skill development in a variety of health science areas guided by the National Consortium for Health Science Education national standards. These experiences will be taught on host health care sites by our project professional partners. Our partners are:

- Nebraska Medicine
- University of Nebraska Medical Center
- Creighton University
- Nebraska Methodist College
- CHI Health
- Behavioral Health Education Centers of Nebraska (BHECN)
- Nebraska HOSA Board of Directors

An estimated 2800 secondary and postsecondary educators and students may be served through this project.

Please note that the title “Health Science **TRANSFUSION** Bus Tour” was developed as a marketing catch phrase. In no way should the lite heartedness of this title diminish this experience and proposals professional importance.

Vision and Purpose:

The vision of the project is an effort at continuing the work around addressing the high workforce need in health care in Nebraska, especially in rural areas. This project has the potential to address all of the Partnership for Innovation (PFI) Areas of Focus and Purpose Statement.

The primary outcome of the Health Science **TRANSFUSION Bus Tour will be:**

- Educate participants about the health care provider shortages nationwide, statewide and regionally.
- Educate participants about the range of health science professions available.
- Become familiar with the educational requirements for health professions and the programs available throughout Nebraska.
- Learn to recognize student's aptitudes and interests, and relate them to health science careers.
- Enable participants to appropriately advise students in health science career options.

Activities:

- Participate in interactive sessions to become acquainted with the many opportunities in health science careers.
- Acquire educational resources that can be used in the classroom or as tools to counsel students when making important career decisions.
- Work cooperatively in groups led by Health Science professionals.
- Explore topics relating to the shortage of health science professionals to gain an understanding of how this will affect all citizens of Nebraska.
- Actively participate in compiling a classroom teacher resource bank of teaching tips and activities to be housed on the Nebraska Dept. of Education Health Science web site.

Experiences:

- Oncology – Fred and Pamela Buffett Cancer Center
- Surgical Services – Lauritzen Outpatient Center
- Biocontainment Unit at Nebraska Medicine
- UNMC | iExcell Lab simulator
- UNMC High School Alliance Program
- Nebraska Medicine and UNMC Nursing Support Opportunities
- Creighton University Medical Center showcase
- Nebraska Methodist College
- Behavioral Health Education Centers of Nebraska
- Papillion-LaVista Health Sciences Academy Program
- The Business of Health Care – Patient Experience and Reimbursement Model
- CHI
 - Cardiology
 - Behavioral Health
 - Women's Health

Needs Statement:

The need for qualified HealthCare and Allied Health professionals in Nebraska continues to grow at concerning rates, especially in rural Nebraska. The Nebraska Department of Labor/NEworks reports that Nebraska statewide is facing a 14.2% increase in growth and replacement openings in HealthCare Practitioners and Technical Professionals; Family and General Practitioners, Registered Nurses, Dental Hygienists and Diagnostic Medical Sonographers by year 2020. This increase equals to 8,516 additional actual openings. The future forecast in the area of HealthCare Support; Home Health Aids, Physical Therapist Aides and Pharmacy Aids, statewide are facing a 15.6% increase in growth and replacement openings by the same year. This increase equals to 4,389 additional actual openings that will need to be filled by qualified trained professionals. The bottom line is that by 2020 Nebraska will need 12,905 entry levels, new to the job market, Health Science professionals in the above mentioned areas.

Goals and Objectives:

This proposal directly impacts all of the identified PFI Areas of Focus as found in Appendix B. In addition, it will provide foundational information for the development of the next Health Science stakeholder professional development experience for Career and Technical Education as well as provide foundational information for future PFI activities.

Goal 1
Facilitate the Health Science TRANSFUSION Bus Tour
Coordinate and facilitate the Health Science TRANSFUSION Bus Tour – July 17-20, 2017

Goal 2
Enhance secondary and Post-Secondary Health Science teachers’ technical skills
Provide participants with hands-on learning experiences

Goal 3
Build professional relationships with participants
Facilitate opportunities for stakeholders to build working relationships and network with healthcare professionals.

Impact on Career and Technical Education:

The potential impact on Nebraska CTE Health Sciences is multifaceted.

- Continual building of our business and industry partnerships that have outreach into all areas of CTE.
- Educator exposure to experiences otherwise not available.
- Enhanced secondary teacher technical skill professional development.
- Increased awareness of statewide health care workforce needs.
- Increase awareness of postsecondary educational opportunities and programs.
- Evaluation information gathered will have a direct impact on the direction of CTE thereby impacting the professional development opportunities for teachers.
- Improvement of the quality of instruction impacting student achievement.
- Meaningful engagement of business/industry and education leaders.
- Improve student leadership and career development experiences by investing in the development of CTSO Advisors and health science instructors.
- Strengthen partnerships between secondary and post-secondary instructors to prepare CTE students for post-secondary experiences.

Statewide Impact:

This statewide project will be available, in differing ways, to all Health Science CTE teachers and school counselors; community college instructors, faculty, and staff; and ESU staff, depending on their needs and desire for obtaining information. All schools with CTE programs, all community colleges, and all ESUs are included in the invitation and scope of this proposal as potential participants.

Evaluation:

- A survey will be conducted among participants to determine their level of satisfaction with the experience.
- A survey, combined with a brief interview, will be conducted with the community college partners to determine their satisfaction with the experience, as well as input and feedback to improve the process.
- A brief interview will be conducted with the ESU stakeholders to determine how to continue participation in Health Science education in all ESU's.
- A survey will be conducted among participants to determine the level their technical skills were advanced as a result of the professional development experience.
- A brief interview will be conducted with each of the community college stakeholders who participated asking for feedback to improve future professional development experiences.
- A survey will be conducted among participants to determine their level of satisfaction with the experience, and to determine how they intend to utilize and implement their knowledge gained in their respective schools.

Dissemination of Knowledge:

A brief executive summary will be drafted for publication in the PFI newsletter and other relevant publications. A written report will be prepared to share the results of the project with the PFI Leadership Council. An offer will be extended for an oral presentation to other potential groups and to receive information, but not limited to:

- PFI Leadership Council
- State Board of Education
- Community College CEOs and CAOs
- Nebraska School Administrators
- Nebraska School Board Association
- Nebraska Career Education Conference and regional meetings
- Nebraska School Counselors Association
- Nebraska Workforce Investment Board
- Nebraska Diplomats and regional Economic Developers
- Nebraska State School Administrators
- Nebraska Medicine
- University of Nebraska Medical Center
- Creighton University
- Nebraska Methodist College
- CHI Health
- Behavioral Health Education Centers of Nebraska (BHECN)
- Nebraska HOSA Board of Directors
- Nebraska Hospital Association Board of Directors
 - Member Hospitals
- AQuESTT Conference

Budget Plan

Budget Narrative:

Item	Cost Each	How Many	Total
Charter Bus Service		2.5 days	\$3,600
Lodging (3 nights) (Includes breakfast)	\$139.00/night (double occupancy)	25 rooms (50 people) x 3 nights	\$10,425
PreDay: meeting space in hotel	\$300	1	\$300
Evening Meal July 16, 2017	\$25	50	\$1,250
Evening Meal July 17, 2017	\$25	50	\$1,250
Evening Meal July 18, 2017	\$25	50	\$1,250
Noon Meal July 17, 2017	\$15	50	Donated by Nebraska Medicine
Noon Meal July 18, 2017	\$15	50	Donated by CHI Health
Noon Meal July 19, 2017	\$15	50	Donated by Nebraska Methodist
Facilitator for Preconference training	\$500	1	\$500
Presenters throughout three-day training			In-kind
Health Science Standards Enhancement Materials and Classroom Laboratory Equipment for teachers/instructors	\$300	40	\$12,000
Printed Materials and Marketing	\$1500	1	\$1500
		Total:	\$32,075

Other Ideas/Thoughts to Consider:

The Health Science career area has not applied for a PFI grant in almost a decade. During this time the NDE Health Science staff has been diligent in securing funding sources. These programming efforts have been funded by either Perkins or the granting of private funds as a result of developing partnerships with local, state and national foundations, associations and other funding sources. With that said, the amount that is being asked for through this PFI proposal is a much larger amount than any of our current partners can grant.

The fiscal agent for this project will be the Nebraska Department of Education.