

## **Biomedical Science Instructor**

Have you ever thought about teaching? Are you a teacher at heart?

Northeast Technical High School (Watertown) is seeking a high school biomedical instructor for the 2018-19 school year. We are seeking an individual who enjoys working with young people, wants to teach, and possesses a strong background in the biomedical field. Teaching experience or certification, while helpful, is not required – we will train. For more information regarding this position and an application, please email Bert Falak [bert.falak@k12.sd.us](mailto:bert.falak@k12.sd.us) or call 605-882-6380. Position is open until filled and salary is based on qualifications and experience.

## **Project Lead The Way Biomedical Sciences**

### **Principles of Biomedical Sciences**

Students investigate the human body systems and various health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. They determine the factors that led to the death of a fictional person, and investigate lifestyle choices and medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, medicine, research processes and bioinformatics. This course is designed to provide an overview of all the courses in the Biomedical Sciences program and lay the scientific foundation for subsequent courses.

### **Human Body Systems**

Students examine the interactions of body systems as they explore identity, communication, power, movement, protection, and homeostasis. Students design experiments, investigate the structures and functions of the human body, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration. Exploring science in action, students build organs and tissues on a skeletal manikin, work through interesting real world cases and often play the role of biomedical professionals to solve medical mysteries.

### **Medical Interventions**

Students investigate a variety of interventions involved in the prevention, diagnosis and treatment of disease as they follow the life of a fictitious family. The course is a "How-To" manual for maintaining overall health and homeostasis in the body. Students explore how to prevent and fight infection; screen and evaluate the code in human DNA; prevent, diagnose and treat cancer; and prevail when the organs of the body begin to fail. Through these scenarios, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices and diagnostics.

**APPLICATION FORM**  
**Northeast Technical High School 14-201**  
WATERTOWN, SOUTH DAKOTA 57201

Each applicant must complete this form. If the applicant is elected and accepts a position at Northeast Technical High School (NTHS), the information given herein becomes a part of the teacher's professional record. Therefore, be sure that all information is accurate, complete and legible. The amount of space provided for answering some items is necessarily and purposely limited; we suggest you word the answers to these items carefully. Notify your college registrar to send your transcripts. Please feel free to include any other information that would aid in considering your application.

1. Name \_\_\_\_\_ Date \_\_\_\_\_  
(Last) (First) (Middle)
2. Present Address \_\_\_\_\_ Phone \_\_\_\_\_  
At This Address Until (Date) \_\_\_\_\_
3. Permanent Address \_\_\_\_\_ Phone \_\_\_\_\_  
(Street) (City) (State) (Zip)
4. In case of emergency, who should be notified?  
Name \_\_\_\_\_ Address \_\_\_\_\_ Phone \_\_\_\_\_
5. Are you a U.S. Citizen? Yes \_\_\_\_\_ No \_\_\_\_\_ Email Address \_\_\_\_\_
6. Have you ever been convicted of any crime involving moral turpitude or traffic in narcotics? Yes \_\_\_\_\_ No \_\_\_\_\_
7. Position applied for: \_\_\_\_\_
8. School term for which you will be available for employment \_\_\_\_\_
9. Do you have any obligations that would prevent you from working the stated hours or fulfilling contractual responsibilities to the district? Yes \_\_\_\_\_ No \_\_\_\_\_ If yes, please explain: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
10. At the time of making application, are you under contract for the present school term? \_\_\_\_\_.  
If so, when does this contract expire? \_\_\_\_\_.
11. UNDERGRADUATE ACADEMIC PROGRAM. Please list all secondary schools, colleges, and universities attended as an undergraduate.

SCHOOL OR COLLEGE	LOCATION	DATES ATTENDED FROM	TO	DEGREE, IF ANY
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

List your major and minor fields: major \_\_\_\_\_ Minor \_\_\_\_\_
12. GRADUATE ACADEMIC PROGRAM. Please list all secondary schools, colleges, and universities attended as an undergraduate.

UNIVERSITY	LOCATION	DATES ATTENDED FROM	TO	DEGREE, IF ANY
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

List your graduate major and minor fields:

Major \_\_\_\_\_; Minor \_\_\_\_\_

Graduate honors received \_\_\_\_\_

13. RECORD OF EMPLOYMENT: Please provide information about past employers, addresses, dates of employment, titles or positions, and salary. Include changes of position within any company or school. Begin with your most recent position. Do not include part-time or summer employment unless you consider it significant. It is important that the application account for all substantial periods.

POSITION	DATES OF EMPLOYMENT	EMPLOYER	EMPLOYER'S ADDRESS	SALARY
1. _____	_____	_____	_____	_____
2. _____	_____	_____	_____	_____
3. _____	_____	_____	_____	_____
4. _____	_____	_____	_____	_____
5. _____	_____	_____	_____	_____
6. _____	_____	_____	_____	_____
7. _____	_____	_____	_____	_____

May we contact the employers listed above? \_\_\_\_\_ If not, indicate by number which one(s) you do not wish us to contact:

\_\_\_\_\_

14. What qualities and abilities do you have which qualify you for the position you are seeking at NTHS?

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

15. Please describe any experiences that you believe have significantly contributed to your abilities for the position you are seeking:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

16. If we request a personal interview, what would be the most convenient time for you? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

17. Do you have any special reasons for making application to work at NTHS \_\_\_\_\_

If so, explain briefly: \_\_\_\_\_

\_\_\_\_\_

18. REFERENCES: Please list below the names and addresses of five people from whom we may solicit information regarding your ability and your work.

NAME	ADDRESS	PHONE	LENGTH OF TIME KNOWN	NATURE OF ASSOCIATION
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

#### INFORMATION FOR THE APPLICANT:

**YOUR APPLICATION:** We appreciate the time and interest you have given in making application to Northeast Technical High School. We will give your application prompt consideration.

**CERTIFICATION.** The individual teacher assumes the responsibility for obtaining and renewing certificates. Specific information can be obtained from this office on request.

**PERIODIC STUDY.** State regulations govern minimum requirements for periodic study. Applicants should anticipate fulfilling these requirements. Specific information can be obtained from NTHS.

**SALARY** Teachers are placed on the current salary schedule in accordance with their training and experience.

NTHS provides equal opportunity in its employment regulations, educational, and activity programs. It is our policy not to discriminate on the basis of sex, race, color, national origin, creed, religion, and marital status, status with regard to public assistance, age or disability.

Date \_\_\_\_\_ Signature \_\_\_\_\_

SEND OR EMAIL THIS APPLICATION TO:

Bert Falak, Director [bert.falak@k12.sd.us](mailto:bert.falak@k12.sd.us)  
NTHS  
1311 Third Avenue, NE  
WATERTOWN, SOUTH DAKOTA 57201