



Health Science Foundations B v8.0 – Syllabus

Course Name

PRINHLSC-B

Elementary Kindergarten Readiness B v8.0 – Semester B

Course Information

PRINHLSC-B is the second semester of this two-semester course.

Step into the Health Science Foundations course and learn what it takes to be a healthcare professional. This course is designed to provide the student with in-depth knowledge of the health care system and introduce them to various occupations in the field. Students will explore the educational requirements, licenses, and certifications for careers at multiple levels within the health care system. Throughout this course, students will learn what it means to have a healthy lifestyle, how to prevent disease and illness and what their responsibilities are as a patient and a future employee in the health care system. They will learn everything from applying for a job to ensuring the soft skills needed to excel in their career. The course will focus on communication and interpersonal skills, use of technology, ethics, and the development of critical thinking and problem-solving skills. Students will also learn first aid skills and how to assess vital signs. Health Science Foundations is part of the Secondary Health Core.

Course Delivery Method

Online

Contacting Your Instructor

You may contact your instructor using your Canvas Inbox. Technical support is available 24/7 at [TTU K-12](#).

Course Topics

After completing this course, the students should have increased knowledge of

- Describe technology applications in healthcare

- Identify characteristics of science and its limitations
- Identify basic medical abbreviations
- Describe ways to promote disease prevention
- Identify complementary and alternative health
- Identify adverse effects of using alcohol and tobacco
- Identify the five schedules of controlled substances
- Demonstrate positive self-image, wellness, and stress
- Develop wellness and stress control plans
- Describe medical and surgical asepsis
- Differentiate fact and fallacy about disease transmission and treatment caused by bloodborne pathogens and Hepatitis B
- Identify legal aspects of HIV/AIDS to include issues related to testing
- Describe the theory of root-cause analysis
- Demonstrate personal safety procedures based on the CDC and OSHA regulations
- Demonstrate procedures for properly identifying patients
- Demonstrate proper body mechanics and ergonomics
- Identify vital signs and their measurements
- Obtain and maintain training or certification on CPR, AED, FBAO (Foreign Body Airway Obstruction), and First Aid

Textbook and Materials

No textbooks required. All content is within Canvas.

Materials

- washable paint
- rubber gloves
- PPE face mask

Technical Requirements

- Internet access – preferably high speed (for accessing Canvas)
- browser (we recommend Chrome)
- supported browser plugins and settings

The following plugins and settings may be required to use our courses.

 - JavaScript enabled
 - Cookies enabled
 - Java installed
- Email
- Printing capabilities
- Adobe Reader (download from [Adobe](https://www.adobe.com/uk/acrobat/reader-main.html))

- Audio and video capabilities (for watching/listening to course content)
- PDF app (free options available)

Technical Skill Requirements

Be comfortable with the following:

- accessing online learning materials via Canvas
- Internet search engines and browsers (we recommend Chrome)
- uploading assignments into Canvas (there will be instructions for uploading assignments)

Course Pacing

This course is designed to be completed in 18 weeks.

- Print this guide and use a calendar to fill in your goal dates for completing each Module.
- To achieve success, students are expected to submit work in each course weekly.
- Students can learn at their own pace; however, "any pace" still means that students must make progress in the course every week.
- Post the pace guide in a place where you and your Parent or Guardian will see it every day (on the refrigerator or next to the computer). Give yourself a check every time you complete a task, and celebrate your efforts!

Weeks	Lessons	Due Date (you write this in)
1	04.00 Science and Medical Technology Checklist 04.01 Introduction to Science and Medical Technology	
2	04.02 Technology Tools and Skills 04.03 Applied Science	

Weeks	Lessons	Due Date (you write this in)
3	04.04 Medical Math 04.05 Medical Notations	
4	04.06 Science and Medical Technology Collaboration	
5	04.08 Science and Medical Technology Exam	
6	05.00 Health Advocacy and Wellness Checklist 05.01 Introduction to Health Advocacy and Wellness	
7	05.02 Health Advocacy 05.03 Adverse Effects of Substances	
8	05.04 Understanding Human Needs and Behavior	
9	05.06 Health Advocacy and Wellness Exam	
10	06.00 Safety and Emergency Responses Checklist 06.01 Introduction to Safety and Emergency Responses	
11	06.02 Controlling Diseases and Infection	
12	06.03 Facts About Bloodborne Pathogens 06.04 General Safety	
13	06.05 Patient Safety	
14	06.06 Vital Signs and Emergency Care	
15	06.07 Semester B Project	

Weeks	Lessons	Due Date (you write this in)
16	06.09 Final Exam	
17	Floating Vacation Week	
18	Floating Vacation Week	

Course Credit

Your grade will be calculated as follows:

- formative assessments (50%)
- summative assessments (20%)
- summative final exam (30%)

Assignments are labeled as “summative” or “formative” under Grades in Canvas.

Course Completion and Extensions

- Students may not complete the course in less than 30 days.
- All courses expire 180 days after the enrollment date.

Academic Integrity

It is the aim of the faculty of Texas Tech University to foster a spirit of complete honesty and high standard of integrity. The attempt of students to present as their own any work not honestly performed is regarded by the faculty and administration as a most serious offense and renders the offenders liable to serious consequences, possibly suspension.

“Scholastic dishonesty” includes, but is not limited to, cheating, plagiarism, collusion, falsifying academic records, misrepresenting facts, and any act designed to give unfair academic advantage to the student (such as, but not limited to, submission of essentially the same written assignment for two courses without the prior permission of the instructor) or the attempt to commit such an act.

Artificial Intelligence (AI) Use Policy

This policy covers any generative AI tool, such as ChatGPT, Elicit, Photo Math, etc. This includes text and artwork/graphics/video/audio, etc.

All work submitted in this course must be your own. You may not use artificial intelligence tools to complete your assignments in this course.

If an instructor suspects that an assignment is not the work of the student, it will receive a score of zero. The instructor will message the student or provide feedback on the assignment indicating the need to schedule a one-on-one video conference, during which the student will be required to demonstrate their skills or knowledge through an alternative or mutually agreed-upon assignment. The grade of the alternate or agreed upon assignment will be determined at the instructor's discretion with the highest possible score being 70%.

If it is determined that a student has violated final exam directions on Final Exam A or CBE Set 1, the exam will be scored as zero. The student may take Final Exam B or CBE Set 2 with the highest possible score being 70%.

The incident will be reported to Texas Tech K-12 Administration and documented in the student's file. Continued violations of Texas Tech University's Academic Integrity Policy will result in the removal of the student from the program.

Student/Parent Expectations

You will be expected to log into the Canvas course regularly to be aware of possible announcements/reminders and to pace your student's progress in the course.

The following are prohibited while using the Canvas interface:

- spamming;
- hacking; and
- using TTU or Canvas email for commercial purposes;

Inappropriate behavior shall result in consequences ranging from a request to correct the problem, to removal from the course or even the university, depending on the severity of the behavior. Disciplinary actions will be taken according to the TTU K-12 Student Handbook.

Communication

- You can expect a reply from your instructor within 2 business days.
- Use the Canvas Inbox for sending messages to your instructor.

Submitting Assignments

You will submit all assignments through Canvas, rather than by mail or email.

Technical Difficulties

Getting Help

For student assistance with Canvas, visit [TTU K-12 Support](#).

Computer Problems

A working computer is necessary for online coursework. Computer problems will not be accepted as a valid reason for failure to complete course activities within the allotted time frame. Identify a second computer, before the course begins, that you can use if you experience computer problems.

Server Problems

When the Canvas server needs to be taken down for maintenance, the Canvas administrator will post an announcement in your course informing you of the time and date. If the server experiences unforeseen problems, your course instructor will notify you.

Lost or Corrupted Files

You must keep/save a copy of every project/assignment on an external disk or personal computer. In the event of any kind of technology failure (e.g., Canvas server crash or virus infection, students' own computer problems, loss of files in cyberspace, etc.) or any disputes, the instructor may request or require you to resubmit the files. In some instances, the instructor may need to open another attempt within Canvas, so communication with your instructor is critical in these circumstances.