Principles of Health Science
At-A-Glance - Lamar CISD

	Professional Standards/Employability Skills/Technical Skills
Ongoing Skills Imbedded All Year	Professionalism PHS 1(B) The student will exhibit the ability to cooperate, contribute, and collaborate as a member of a team. PHS 1(C) The student will identify employer expectations such as punctuality, attendance, time management, communication, organizational skills, and productive work habits. Communications PHS 2(E) The student will plan and prepare effective oral presentations. PHS 2(F) The student will formulate responses using precise language to communicate ideas. PHS 3(A) The student will identify components of effective and non-effective communication. PHS 3(D) The student will accurately interpret, transcribe, and communicate medical vocabulary using appropriate technology. Career Exploration PHS 5(A) The student will locate, evaluate, and interpret career options and employment information. PHS 5(B) The student will recognize the impact of career decisions, including the causes and effects of changing employment situations. Medical Ethics PHS 9(B) The student will explain principles of ethical behavior and confidentiality, including the consequences of breach of confidentiality. PHS 9(C) The student will discuss ethical issues related to health care, including implications of technological advances. Safety PHS 11(B) The student will identify industry safety standards such as standard precautions, fire prevention and safety practices, and appropriate actions to emergency situations.
Ongoing Ways to Show	• Healthcare Systems • Current Events • Medical Ethics • Professionalism • Infection Control • Career Exploration • Job Seeking Skills • Problem Solving/Decision Making • Wellness • Safety (Infection Control/Ergonomics/Facility Safety) • Patient Assessment (VS/Head to toe survey/History Taking) • Communications/Written Documentation • Intro to First Aid/CPR

Grading Period	Unit Name	Estimated Time Frame	TEKS
Grading Period 1 **29 Days**	**Introduction to Health Science**	**9 Days**	2.D, 2.M, 2.N, 2.P, 2.Q, 5.A, 6.A, 7.A, 7.B, 8.B, 9.C, 12.A
	PHS 2(D) The student will organize, compile, and write ideas into reports and summaries. PHS 2(M) The student will research the historical significance of health care. PHS 2(N) The student will describe the impact of health services on the economy. PHS 2(P) The student will identify diverse and cultural influences that have impacted contemporary aspects of health care delivery. PHS 2(Q) The student will research and compare practices used by various cultures and societies to solve problems related to health. PHS 5(A) The student will locate, evaluate, and interpret career options and employment information. PHS 6(A) The student will identify academic requirements for professional advancement such as certification, licensure, registration, continuing education, and advanced degrees. PHS 7(A) The student will compare health science careers within the diagnostic, therapeutic, health informatics, support services, and biotechnology research and development systems. PHS 7(B) The student will identify the collaborative role of team members between systems to deliver quality health care. PHS 8(B) The student will examine the role of professional organizations in the preparation and governance of credentialing and certification. PHS 9(C) The student will discuss ethical issues related to health care, including implications of technological advances. PHS 12(A) The student will research and identify technological equipment used in the diagnostic, therapeutic, health informatics, support services, and biotechnology research and development systems.		

	Career Skills in Health Informatics	**11 Days**	1.B, 1.C, 2.D, 3.D, 4.B, 5.A, 6.A, 7.A, 7.B, 8.B, 9.B
	PHS 1(B) The student will exhibit the ability to cooperate, contribute, and collaborate as a member of a team. PHS 1(C) The student will identify employer expectations such as punctuality, attendance, time management, communication, organizational skill, and productive work habits. PHS 2(D) The student will organize, compile, and write ideas into reports and summaries. PHS 3(D) The student will accurately interpret, transcribe, and communicate medical vocabulary using appropriate technology. PHS 4(B) The student will demonstrate leadership skills, characteristics, and responsibilities of leaders such as goal-setting and team building. PHS 5(A) The student will locate, evaluate, and interpret career options and employment information. PHS 6(A) The student will identify academic requirements for professional advancement such as certification, licensure, registration, continuing education, and advanced degrees. PHS 7(A) The student will compare health science careers within the diagnostic, therapeutic, health informatics, support services, and biotechnology research and development systems. PHS 7(B) The student will identify the collaborative role of team members between systems to deliver quality health care. PHS 8(B) The student will examine the role of professional organizations in the preparation and governance of credentialing and certification. PHS 9(B) The student will explain principles of ethical behavior and confidentiality, including the consequences of breach of confidentiality.		
	Fundamental Skills in Health Informatics	**9 Days**	2.B, 2.F, 2.L, 3.A, 3.D, 8.A, 12.A
	PHS 2(B) The student will apply data from tables, charts, and graphs to provide solutions to health-related problems. PHS 2(F) The student will formulate responses using precise language to communicate ideas. PHS 2(L) The student will analyze and evaluate communication skills for maintaining healthy relationships throughout the life span. PHS 3(A) The student will identify components of effective and non-effective communication. PHS 3(D) The student will accurately interpret, transcribe, and communicate medical vocabulary using appropriate technology. PHS 8(A) The student will explain the concept of teaming to provide quality health care. PHS 12(A) The student will research and identify technological equipment used in the diagnostic, therapeutic, health informatics, support services, and biotechnology research and development systems		
Grading Period 2 **26 Days**	**Professional Knowledge in Health Informatics**	**8 Days**	2.D, 2.N, 2.O, 2.P, 3.B, 8.B, 9.A, 9.B, 10.A, 10.D, 11.A
	PHS 2(D) The student will organize, compile, and write ideas into reports and summaries. PHS 2(N) The student will describe the impact of health services on the economy. PHS 2(O) The student will analyze the impact of local, state, and national government on the health science industry. PHS 2(P) The student will identify diverse and cultural influences that have impacted contemporary aspects of health care delivery. PHS 3(B) The student will demonstrate effective communication skills for responding to the needs of individuals in a diverse society. PHS 8(B) The student will examine the role of professional organizations in the preparation and governance of credentialing and certification. PHS 9(A) The student will compare published professional code of ethics and scope of practice. PHS 9(B) The student will explain principles of ethical behavior and confidentiality, including the consequences of breach of confidentiality. PHS 10(A) The student will identify situations related to autonomy. PHS 10(D) The student will review documentation related to rights and choices. PHS 11(A) The student will identify governing regulatory agencies such as the World Health Organization, Centers for Disease Control and Prevention, Occupational Safety and Health Administration, U.S. Food and Drug Administration, Joint Commission, and National Institute of Health.		
	Medical Terminology and Body Organization	**10 Days**	2.C, 2.D, 2.E, 2.F, 3.D
	PHS 2(C) The student will interpret technical material related to the health science industry. PHS 2(D) The student will organize, compile, and write ideas into reports and summaries. PHS 2(E) The student will plan and prepare effective oral presentations. PHS 2(F) The student will formulate responses using precise language to communicate ideas. PHS 3(D) The student will accurately interpret, transcribe, and communicate medical vocabulary using appropriate technology.		

Principles of Health Science
Lab Safety and Scientific Processes
Readiness Standards
Supporting Standards

	Career Skills in Therapeutic Services	**8 Days**	1.B, 1.C, 2.Q, 4.B, 5.A, 5.B, 7.A, 7.B, 8.A, 8.B, 9.A, 9.D, 11.B

PHS 1(B) The student will exhibit the ability to cooperate, contribute, and collaborate as a member of a team.
PHS 1(C) The student will identify employer expectations such as punctuality, attendance, time management, communication, organizational skill, and productive work habits.
PHS 2(Q) The student will research and compare practices used by various cultures and societies to solve problems related to health.
PHS 4(B) The student will demonstrate leadership skills, characteristics, and responsibilities of leaders such as goal-setting and team building.
PHS 5(A) The student will locate, evaluate, and interpret career options and employment information.
PHS 5(B) The student will recognize the impact of career decisions, including the causes and effects of changing employment situations.
PHS 7(A) The student will compare health science careers within the diagnostic, therapeutic, health informatics, support services, and biotechnology research and development systems.
PHS 7(B) The student will identify the collaborative role of team members between systems to deliver quality health care.
PHS 8(A) The student will explain the concept of teaming to provide quality health care.
PHS 8(B) The student will examine the role of professional organizations in the preparation and governance of credentialing and certification.
PHS 9(A) The student will compare published professional code of ethics and scope of practice.
PHS 9(D) The student will examine issues related to malpractice, negligence, and liability.
PHS 11(B) The student will identify industry safety standards such as standard precautions, fire prevention and safety practices, and appropriate actions to emergency situations.

Grading Period 3 **25 Days**	**Fundamental Skills in Therapeutic Services**	**8 Days**	2.A, 2.B, 2.F, 2.L, 2.Q, 3.A, 3.B, 3.D, 10.C, 10.E, 12.A

PHS 2(A) The student will convert units between systems of measurement.
PHS 2(B) The student will apply data from tables, charts, and graphs to provide solutions to health-related problems.
PHS 2(F) The student will formulate responses using precise language to communicate ideas.
PHS 2(L) The student will analyze and evaluate communication skills for maintaining healthy relationships throughout the life span.
PHS 2(Q) The student will research and compare practices used by various cultures and societies to solve problems related to health.
PHS 3(A) The student will identify components of effective and non-effective communication.
PHS 3(B) The student will demonstrate effective communication skills for responding to the needs of individuals in a diverse society.
PHS 3(D) The student will accurately interpret, transcribe, and communicate medical vocabulary using appropriate technology.
PHS 10(C) The student will evaluate positive and negative effects of relationships on physical and emotional health such as peers, family, and friends in promoting a healthy community.
PHS 10(E) The student will demonstrate an understanding of diversity and cultural practices influencing contemporary aspects of health care.
PHS 12(A) The student will research and identify technological equipment used in the diagnostic, therapeutic, health informatics, support services, and biotechnology research and development systems.

	Professional Knowledge in Therapeutic Services 8	**8 Days**	2.D, 2.E, 2.H, 2.Q, 6.A, 7.B, 8.A, 8.B, 9.A, 9.C, 9.D, 9.E, 10.A, 10.D, 10.E, 11.A, 12.B

PHS 2(D) The student will organize, compile, and write ideas into reports and summaries.
PHS 2(E) The student will plan and prepare effective oral presentations.
PHS 2(H) The student will identify and analyze principles of body mechanics and movement such as forces and the effects of movement, torque, tension, and elasticity on the human body.
PHS 2(Q) The student will research and compare practices used by various cultures and societies to solve problems related to health.
PHS 7(B) The student will identify the collaborative role of team members between systems to deliver quality health care.
PHS 8(A) The student will explain the concept of teaming to provide quality health care.
PHS 6(A) The student will identify academic requirements for professional advancement such as certification, licensure, registration, continuing education, and advanced degrees.
PHS 8(B) The student will examine the role of professional organizations in the preparation and governance of credentialing and certification.
PHS 9(A) The student will compare published professional code of ethics and scope of practice.
PHS 9(C) The student will discuss ethical issues related to health care, including implications of technological advances.
PHS 9(D) The student will examine issues related to malpractice, negligence, and liability.
PHS 9(E) The student will research laws governing the health science industry.

	PHS 10(A) The student will identify situations related to autonomy. PHS 10(D) The student will review documentation related to rights and choices. PHS 10(E) The student will demonstrate an understanding of diversity and cultural practices influencing contemporary aspects of health care. PHS 11(A) The student will identify governing regulatory agencies such as the World Health Organization, Centers for Disease Control and Prevention, Occupational Safety and Health Administration, U.S. Food and Drug Administration, Joint Commission, and National Institute of Health. PHS 12(B) The student will identify potential malfunctions of technological equipment.		
	Body Systems for Support and Movement	**9 Days**	2.C, 2.D, 2.E, 2.F, 3.B, 3.D
	PHS 2(C) The student will interpret technical material related to the health science industry. PHS 2(D) The student will organize, compile, and write ideas into reports and summaries. PHS 2(E) The student will plan and prepare effective oral presentations. PHS 2(F) The student will formulate responses using precise language to communicate ideas. PHS 3(B) The student will demonstrate effective communication skills for responding to the needs of individuals in a diverse society. PHS 3(D) The student will accurately interpret, transcribe, and communicate medical vocabulary using appropriate technology.		
Grading Period 4 **32 Days**	**Career Skills in Diagnostic Services 10**	**8 Days**	1.B, 1.C, 2.L, 5.A, 7.A, 8.A, 9.A, 10.C, 12.A
	PHS 1(B) The student will exhibit the ability to cooperate, contribute, and collaborate as a member of a team. PHS 1(C) The student will identify employer expectations such as punctuality, attendance, time management, communication, organizational skill, and productive work habits. PHS 2(L) The student will analyze and evaluate communication skills for maintaining healthy relationships throughout the life span. PHS 5(A) The student will locate, evaluate, and interpret career options and employment information. PHS 7(A) The student will compare health science careers within the diagnostic, therapeutic, health informatics, support services, and biotechnology research and development systems. PHS 8(A) The student will explain the concept of teaming to provide quality health care. PHS 9(A) The student will compare published professional code of ethics and scope of practice. PHS 10(C) The student will evaluate positive and negative effects of relationships on physical and emotional health such as peers, family, and friends in promoting a healthy community. PHS 12(A) The student will research and identify technological equipment used in the diagnostic, therapeutic, health informatics, support services, and biotechnology research and development systems.		
	Fundamental Skills in Diagnostic Services	**8 Days**	2.B, 2.L, 2.P, 2.Q, 3.B, 3.D, 9.B, 9.C, 10.E
	PHS 2(B) The student will apply data from tables, charts, and graphs to provide solutions to health-related problems. PHS 2(L) The student will analyze and evaluate communication skills for maintaining healthy relationships throughout the life span. PHS 2(P) The student will identify diverse and cultural influences that have impacted contemporary aspects of health care delivery. PHS 2(Q) The student will research and compare practices used by various cultures and societies to solve problems related to health. PHS 3(B) The student will demonstrate effective communication skills for responding to the needs of individuals in a diverse society. PHS 3(D) The student will accurately interpret, transcribe, and communicate medical vocabulary using appropriate technology. PHS 9(B) The student will explain principles of ethical behavior and confidentiality, including the consequences of breach of confidentiality. PHS 9(C) The student will discuss ethical issues related to health care, including implications of technological advances. PHS 10(E) The student will demonstrate an understanding of diversity and cultural practices influencing contemporary aspects of health care.		
	Professional Knowledge in Diagnostic Services	**8 Days**	1.B, 2.E, 2.N, 2.0, 9.A, 9.D, 9.E, 11.B
	PHS 1(B) The student will exhibit the ability to cooperate, contribute, and collaborate as a member of a team. PHS 2(E) The student will plan and prepare effective oral presentations. PHS 2(N) The student will describe the impact of health services on the economy. PHS 2(O) The student will analyze the impact of local, state, and national government on the health science industry. PHS 9(A) The student will compare published professional code of ethics and scope of practice. PHS 9(D) The student will examine issues related to malpractice, negligence, and liability. PHS 9(E) The student will research laws governing the health science industry. PHS 11(B) The student will identify industry safety standards such as standard precautions, fire prevention and safety practices, and appropriate actions to emergency situations.		

	Body Systems for Transportation and Exchange	8 Days	2.C, 2.D, 2.E, 2.F, 3.B
	PHS 2(C) The student will interpret technical material related to the health science industry. PHS 2(D) The student will organize, compile, and write ideas into reports and summaries. PHS 2(E) The student will plan and prepare effective oral presentations. PHS 2(F) The student will formulate responses using precise language to communicate ideas. PHS 3(B) The student will demonstrate effective communication skills for responding to the needs of individuals in a diverse society.		
Grading Period 5 **32 Days**	**Career Skills in Support Services**	**8 Days**	1.C, 2.H, 2.K, 2.O, 2.Q, 3.C, 5.A, 5.B, 7.A, 8.B, 10. B, 10.C, 11.A, 12.B, 12.C
	PHS 1(C) The student will identify employer expectations such as punctuality, attendance, time management, communication, organizational skill, and productive work habits. PHS 2(H) The student will identify and analyze principles of body mechanics and movement such as forces and the effects of movement, torque, tension, and elasticity on the human body. PHS 2(K) The student will identify the concepts of health and wellness throughout the life span. PHS 2(Q) The student will research and compare practices used by various cultures and societies to solve problems related to health. PHS 2(O) The student will analyze the impact of local, state, and national government on the health science industry. PHS 3(C) The student will evaluate the effectiveness of conflict-resolution techniques in various situations. PHS 5(A) The student will locate, evaluate, and interpret career options and employment information. PHS 5(B) The student will recognize the impact of career decisions, including the causes and effects of changing employment situations. PHS 7(A) The student will compare health science careers within the diagnostic, therapeutic, health informatics, support services, and biotechnology research and development systems. PHS 8(B) The student will examine the role of professional organizations in the preparation and governance of credentialing and certification. PHS 10(B) The student will identify wellness strategies for the prevention of disease. PHS 10(C) The student will evaluate positive and negative effects of relationships on physical and emotional health such as peers, family, and friends in promoting a healthy community. PHS 11(A) The student will identify governing regulatory agencies such as the World Health Organization, Centers for Disease Control and Prevention, Occupational Safety and Health Administration, U.S. Food and Drug Administration, Joint Commission, and National Institute of Health. PHS 12(B) The student will identify potential malfunctions of technological equipment. PHS 12(C) The student will recognize and explain the process for reporting equipment or technology malfunctions.		
	Fundamental Skills in Support Services	**8 Days**	1.A, 1.B, 2.C, 2.D, 2.E, 2.F, 3.D, 8.B, 12.A
	PHS 1(A) The student will express ideas in a clear, concise, and effective manner. PHS 1(B) The student will exhibit the ability to cooperate, contribute, and collaborate as a member of a team. PHS 2(C) The student will interpret technical material related to the health science industry. PHS 2(D) The student will organize, compile, and write ideas into reports and summaries. PHS 2(E) The student will plan and prepare effective oral presentations. PHS 2(F) The student will formulate responses using precise language to communicate ideas. PHS 3(D) The student will accurately interpret, transcribe, and communicate medical vocabulary using appropriate technology. PHS 8(B) The student will examine the role of professional organizations in the preparation and governance of credentialing and certification. PHS 12(A) The student will research and identify technological equipment used in the diagnostic, therapeutic, health informatics, support services, and biotechnology research and development systems.		
	Professional Knowledge in Support Services	**8 Days**	1.C, 2.B, 2.D, 2.L, 3.A, 5.A, 9.A, 9.B, 10.B, 11.A, 11.C
	PHS 1(C) The student will identify employer expectations such as punctuality, attendance, time management, communication, organizational skill, and productive work habits. PHS 2(B) The student will apply data from tables, charts, and graphs to provide solutions to health-related problems. PHS 2(D) The student will organize, compile, and write ideas into reports and summaries. PHS 2(L) The student will analyze and evaluate communication skills for maintaining healthy relationships throughout the life span. PHS 3(A) The student will identify components of effective and non-effective communication. PHS 5(A) The student will locate, evaluate, and interpret career options and employment information. PHS 9(A) The student will compare published professional code of ethics and scope of practice. PHS 9(B) The student will explain principles of ethical behavior and confidentiality, including the consequences of breach of confidentiality. PHS 10(B) The student will identify wellness strategies for the prevention of disease.		

	PHS 11(A) The student will identify governing regulatory agencies such as the World Health Organization, Centers for Disease Control and Prevention, Occupational Safety and Health Administration, U.S. Food and Drug Administration, Joint Commission, and National Institute of Health. PHS 11(C) The student will relate safety practices in the health science industry.		
	Body Systems for Maintenance and Continuation	**8 Days**	2.C, 2.D, 2.E, 2.F, 2.G, 2.I, 2.J, 3.B
	PHS 2(C) The student will interpret technical material related to the health science industry. PHS 2(D) The student will organize, compile, and write ideas into reports and summaries. PHS 2(E) The student will plan and prepare effective oral presentations. PHS 2(F) The student will formulate responses using precise language to communicate ideas. PHS 2(G) The student will describe biological and chemical process that maintain homeostasis. PHS 2(I) The student will identify human needs according to Maslow's Hierarchy of Human Needs. PHS 2(J) The student will describe the stages of development related to the life span. PHS 3(B) The student will demonstrate effective communication skills for responding to the needs of individuals in a diverse society.		
	Career Skills in Biotechnology Research and Development	**8 Days**	2.C, 2.D, 2.E, 2.F, 4.A, 4.B, 4.C, 5.B, 6.A, 7.A, 8.B, 9.D, 12.A
	PHS 2(C) The student will interpret technical material related to the health science industry. PHS 2(D) The student will organize, compile, and write ideas into reports and summaries. PHS 2(E) The student will plan and prepare effective oral presentations. PHS 2(F) The student will formulate responses using precise language to communicate ideas. PHS 4(A) The student will identify traits of a leader. PHS 4(B) The student will demonstrate leadership skills, characteristics, and responsibilities of leaders such as goal-setting and team building. PHS 4(C) The student will demonstrate the ability to effectively conduct and participate in meetings. PHS 5(B) The student will recognize the impact of career decisions, including the causes and effects of changing employment situations. PHS 6(A) The student will identify academic requirements for professional advancement such as certification, licensure, registration, continuing education, and advanced degrees. PHS 7(A) The student will compare health science careers within the diagnostic, therapeutic, health informatics, support services, and biotechnology research and development systems. PHS 8(B) The student will examine the role of professional organizations in the preparation and governance of credentialing and certification. PHS 9(D) The student will examine issues related to malpractice, negligence, and liability. PHS 12(A) The student will research and identify technological equipment used in the diagnostic, therapeutic, health informatics, support services, and biotechnology research and development systems.		
Grading Period 6 **29 Days**	**Fundamental Skills in Biotechnology Research and Development**	**7 Days**	1.D, 2.D, 3.D, 9.B, 12.A
	PHS 1(A) The student will express ideas in a clear, concise, and effective manner. PHS 2(D) The student will organize, compile, and write ideas into reports and summaries. PHS 3(D) The student will accurately interpret, transcribe, and communicate medical vocabulary using appropriate technology. PHS 9(B) The student will explain principles of ethical behavior and confidentiality, including the consequences of breach of confidentiality. PHS 12(A) The student will research and identify technological equipment used in the diagnostic, therapeutic, health informatics, support services, and biotechnology research and development systems.		
	Professional Knowledge in Biotechnology Research and Development	**7 Days**	2.B, 2.D, 2.E, 2.O, 2.P, 2.Q, 9.B, 9.C, 9.D, 10.E, 11.C, 12.B, 12.C
	PHS 2(B) The student will apply data from tables, charts, and graphs to provide solutions to health-related problems. PHS 2(D) The student will organize, compile, and write ideas into reports and summaries. PHS 2(E) The student will plan and prepare effective oral presentations. PHS 2(O) The student will analyze the impact of local, state, and national government on the health science industry. PHS 2(P) The student will identify diverse and cultural influences that have impacted contemporary aspects of health care delivery. PHS 2(Q) The student will research and compare practices used by various cultures and societies to solve problems related to health. PHS 9(B) The student will explain principles of ethical behavior and confidentiality, including the consequences of breach of confidentiality. PHS 9(C) The student will discuss ethical issues related to health care, including implications of technological advances. PHS 9(D) The student will examine issues related to malpractice, negligence, and liability. PHS 10(E) The student will demonstrate an understanding of diversity and cultural practices influencing contemporary aspects of health care.		

PHS 11(C) The student will relate safety practices in the health science industry. PHS 12(B) The student will identify potential malfunctions of technological equipment. PHS 12(C) The student will recognize and explain the process for reporting equipment or technology malfunctions.		
Body Systems for Regulation and Communication	**7 Days**	2.B, 2.C, 2.D, 2.E, 2.F, 2.G, 3.B
PHS 2(B) The student will apply data from tables, charts, and graphs to provide solutions to health-related problems. PHS 2(C) The student will interpret technical material related to the health science industry. PHS 2(D) The student will organize, compile, and write ideas into reports and summaries. PHS 2(E) The student will plan and prepare effective oral presentations. PHS 2(F) The student will formulate responses using precise language to communicate ideas. PHS 2(G) The student will describe biological and chemical process that maintain homeostasis. PHS 3(B) The student will demonstrate effective communication skills for responding to the needs of individuals in a diverse society.		