



WHAT IS LASER?

LASER is an extremely selective, one-of-a-kind, four-year program offered by the DHR Health Institute for Research and Development in partnership with DHR Health and Region One GEAR UP Pathways to the Future for students who are interested in pursuing careers in healthcare, STEM, and/or clinical research. A total of 44 students will be selected for the four year program, which will be held on the DHR Health campus in Edinburg, Texas.

Acceptance into the LASER program requires a four-year commitment from students and their parents/guardians.

Students will participate in numerous healthcare activities for the four-year period, all of which will prepare them for their careers by developing self-confidence, critical thinking, and leadership skills.

PROGRAM OBJECTIVES

Utilization of the spiral curriculum model where learning of gradually increasing complexity about health sciences and research is spread vertically over the period of four years.

OPPORTUNITY OF A LIFETIME

HIGH IMPACT LEARNING COMMUNITY

- Students share common learning goals
- Engage collaboratively
- Become both teacher and learner
- Serve as a resource for others in their sphere of influence (school, home, community)
- Become critical thinkers

HANDS-ON DIDACTIC MODULES INCLUDE:

- Exposure to various disciplines in health sciences and research
- Internship and job shadowing
- Numerous immersion exercises
- Leadership development
- Summer internship programs
- Scientific publication(s)
- Certifications
- Professional etiquette

Interested 8th candidates should apply through Region One. Two students will be selected from each participating Region One GEAR UP Pathways to the Future campus in January 2023.



AT A GLANCE

The LASER program will begin in February 2023 with an Endorsement Exhibition that will showcase ten healthcare careers as 8th grade students prepare to choose their path of study in high school. A one-week summer internship will follow during the first week of June 2023 in which students will be exposed to a variety of topics in healthcare, in addition to immersion tours and practicum exercises. Learning opportunities will continue throughout their high school career.

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OUR MISSION

DHR Health Institute for Research and Development is a non-profit organization dedicated to the delivery of world-class research and education opportunities to the residents of the Rio Grande Valley.



OUR GOALS

It is important to foster a better understanding of the various disciplines in medicine and allied health sciences, enhance critical thinking skills, and stimulate the generation of new knowledge.

LEARNING EXPERIENCES

The curriculum includes the following distinct, yet overlapping activities that markedly augment the students' learning experience.



Endorsement Exhibition February 2023

- Healthcare Profession Exploration



Week-long Summer Internship

- Hands-on Exposure/Experience
- Careers in Medicine, Research, and Allied Health Services
- Working with Patients
- Fundamentals of Research



One-Day Conferences

- Career Pathways in Healthcare
- Leadership, Communication, Professional Etiquette, Resume Writing



Certification Opportunities

- Adult & Pediatric First Aid & CPR
- Basic Life Support



Culminating Student Research Event

- Oral presentation of research findings
- Gallery exhibition of poster presentations



LASER

LEADERS IN THE
ADVANCEMENT OF
SCIENCE,
EDUCATION, &
RESEARCH

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REGION ONE ESC
GEARUp

