



## Austin Independent School District – South Magnet Planning Committee

<b>New Potential South Magnet Program Proposal</b>	
Theme	Health Sciences Magnet Proposal
Evidence of District Need	<p>Austin, TX is the home to a number of hospitals and the Dell Medical School is the first medical school in almost 50 years to be built from the ground up at a top tier Association of American Universities research university.<sup>1</sup> The Dell Medical School is interested in creating a vital, inclusive health ecosystem and facilitating a model healthy city.<sup>2</sup> Because of the Dell Medical School's dedication to a 21<sup>st</sup>-century medical school that advances innovation, Austin ISD students could benefit heavily from a rich partnership.</p> <p>According to calculations conducted by the federal government, 132 Texas counties have health profession shortages, with almost 100 counties with dental professional shortages and over 200 counties with mental health professional shortages.<sup>3</sup> It is necessary to foster and develop health care professionals in Texas. Students who are heavily exposed to health sciences in high school can then follow up with a health sciences education at one of Texas' post-secondary institutions, perhaps establishing themselves as a health care provider in Texas.</p>
Description	<p>The Health Science Magnet Program will provide students opportunities to explore and learn about the many facets of the health science field in collaboration with local teaching hospitals and other health institutions in Austin, Texas. Students will have the opportunity to explore the following topics in their selected medical pathway, highlighted by a practicum in health science and a capstone research project. The program will allow students to survey and prepare for the different options in health careers including:</p> <ul style="list-style-type: none"><li>• Working in a medical laboratory;</li><li>• Dental assisting;</li><li>• Patient Care Science;</li><li>• World Health Biomedical Engineering;</li><li>• Anatomy and Physiology; and</li><li>• Preceptorship.</li></ul> <p>In addition, students in the program will also have the opportunity to apply their skills in a teaching hospital under the direction of AISD teachers and administrators from the medical field.</p> <p>Students will also have multiple opportunities to take Advanced Placement and Dual credit courses. Additionally, students would be encouraged to obtain certifications via</p>

<sup>1</sup> <http://dellmedschool.utexas.edu/about>

<sup>2</sup> <http://dellmedschool.utexas.edu/mission-vision>

<sup>3</sup> <http://www.texastribune.org/library/data/texas-shortage-health-care-providers/>



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	<p>Austin ISD Career and Technical Education programming. The AISD Career and Technical Education certifications that are available are the following.</p> <ul style="list-style-type: none"> <li>• CPR Instructor</li> <li>• CPR with Automatic External Defibrillator Certification</li> <li>• CPR with Automatic External Defibrillator Certification/First Aid</li> <li>• Emergency Medical Technician</li> <li>• Nurse Aide, Registered (Tx. Dept. of Aging and Disability Services)</li> <li>• Occupational Health and Safety Administration (OSHA)-10 hour</li> <li>• Pharmacy Technician</li> <li>• Phlebotomy Technician, Certified (CPT)</li> </ul> <p>While students are learning core curriculum (English, Math, Science and Social Studies), medical science topics will be fully integrated into the curriculum, instruction, and assessments.</p> <p>By graduation, students would obtain the following experiences:</p> <ul style="list-style-type: none"> <li>• Up to 10 of Advanced Placement Courses (30 college credits);</li> <li>• Preparation for SAT/ACT;</li> <li>• Internships and/or job shadowing at a teaching hospital;</li> <li>• Opportunity to obtain health science Career &amp; Technical Education certifications; and</li> <li>• Develop a research-based capstone project in concert with the teaching hospital.</li> </ul> <p>By completing the curriculum, students will be better prepared to enter and complete a degree in a health sciences field. Students will be introduced to many medical professionals that will assist students by offering mentorship and internship opportunities to apply the knowledge acquired in the classroom.</p>
Enrollment Criteria	<p>Open to all students</p> <p><u>Application and Enrollment Priorities</u></p> <ul style="list-style-type: none"> <li>• Enrollment would be based on academic record (grades and standardized test scores), teacher recommendation letters, and an in-person test and essay requirement.</li> <li>• Spaces available would be awarded by lottery to students meeting minimum scoring criteria identified for academic success.</li> <li>• 75% of spaces are allocated to students from schools that are high poverty.</li> </ul>
Facility Implications	<ul style="list-style-type: none"> <li>• Classroom Renovations;</li> <li>• Multipurpose Rooms; and</li> <li>• Science Laboratory.</li> </ul>



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Budget	<ul style="list-style-type: none"><li>• Curriculum/Program – Advanced Placement, Dual Credit;</li><li>• Facility Improvements (see above);</li><li>• Professional Development and Training – Advanced Placement, Dual Credit;</li><li>• Technology – 1:1 Student to Device Ratio; and</li><li>• Transportation.</li></ul>
Additional Resources	<ul style="list-style-type: none"><li>• Michael E. Debakey HS for Health Sciences (Houston ISD) - <a href="http://www.houstonisd.org/debakey">http://www.houstonisd.org/debakey</a></li><li>• Health Careers High School (San Antonio ISD) - <a href="http://nisd.net/healthcareers/">http://nisd.net/healthcareers/</a></li><li>• South Texas Academy for Health Professionals (Benito ISD) - <a href="http://medicalacademy.stisd.net/">http://medicalacademy.stisd.net/</a></li><li>• School of Health Professions (Dallas ISD) - <a href="http://www.dallasisd.org/domain/661">http://www.dallasisd.org/domain/661</a></li></ul>

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