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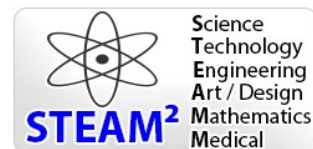


## STEAM<sup>2</sup>: YOUR PATHWAY TO THE FUTURE

### Human Body Systems

*10<sup>th</sup> Grade*

There's a  
class in your  
school where  
you can  
explore the  
medical field.



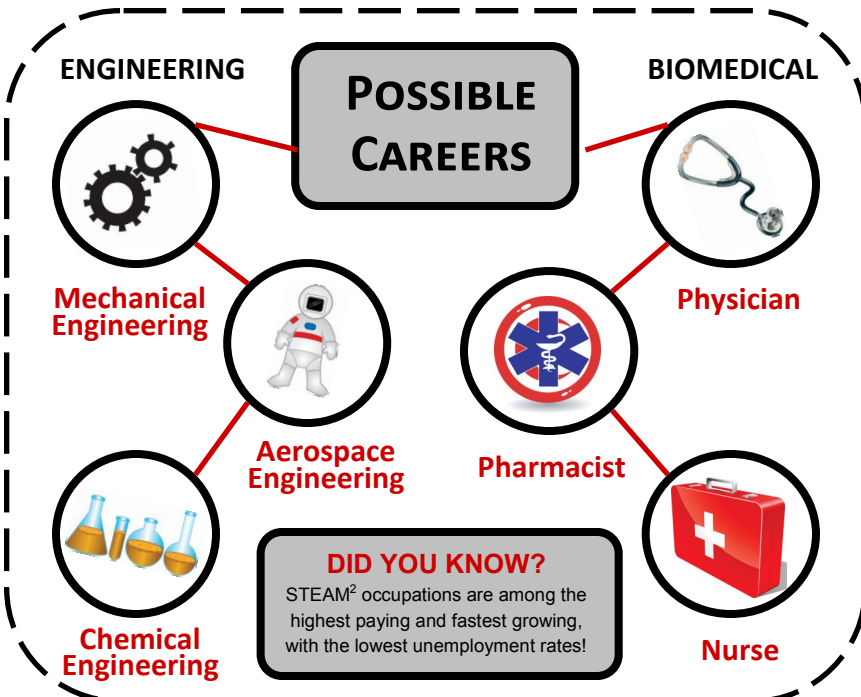
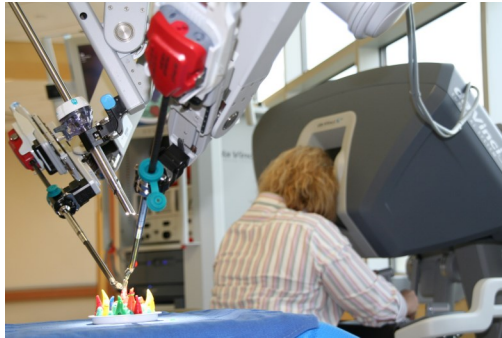
# STEAM<sup>2</sup>: WHERE CURIOSITY RULES

What if there was a class where you learned not only how things worked, but how you might make them better? Where the biggest challenge was between you and your imagination?

At Lakota, there are several such classes—and they're all part of an innovative series called STEAM<sup>2</sup>, standing for Science, Technology, Engineering, Applied Arts/Design, Mathematics and Medical.

By continuing down this path, you will have the opportunity to explore life-changing innovations taking place in labs, test tubes and computer screens around the world—right in your own classroom.

So, get ready, get set—the adventure has just begun!



## HUMAN BODY SYSTEMS

10<sup>th</sup> Grade

- ◆ Examine interactions of human body systems as you explore identity, power, movement, protection and homeostasis.
- ◆ Design experiments, investigate the structures and functions of the human body.
- ◆ Use data acquisition software to monitor body functions (muscle movement, reflex and voluntary muscle movement, and respiration).
- ◆ Build organs and tissues on a skeletal mannequin that are related to real world cases.

*Prerequisite: Principles of Biomedical Sciences*

Discovery

Creativity

Problem Solving

Teamwork

## STEAM<sup>2</sup>: The Big Picture

