

MEDICAL ROBOTICS

GRADES 8–12

This document lists the Minnesota learning standards addressed by Medical Robotics, True Robotics' grades 8-12 robotics curriculum. Standards are grouped by subject and grade level, with codes and wording as published by the Minnesota Department of Education.

4

SCIENCE

4

TOTAL STANDARDS

SCIENCE

4 STANDARDS

Based on the Minnesota state standards

GRADE	CODE	STANDARD
8	7L.4.1.1.1	Support or refute an explanation by arguing from evidence for how the body is a system of interacting subsystems composed of groups of cells.
8	8P.1.2.1.2	Plan and conduct an investigation to provide evidence that the change in an object's motion depends on the sum of the forces on the object and the mass of the object.
9–12	9L.3.1.1.1	Develop and use a model to illustrate the levels of organization of interacting systems and how that translates into specific functions in multicellular organisms.
9–12	9L.1.2.1.1	Plan and conduct an investigation to provide evidence that feedback mechanisms maintain homeostasis.

SOURCES & NOTES

- The official science standards for Minnesota, as published by the Minnesota Department of Education.
- Codes and standard wording are reproduced from the official standards documents. Clarification statements, examples and assessment boundaries are omitted.
- Grade shows the grade level at which True Robotics lessons address each standard. A range (for example K-2) marks a standard written for a grade band.
- Standards text remains the property of its publisher and is reproduced here for alignment reference only.
- A lesson-level crosswalk is available on request at info@truerobotics.org.
- Minnesota publishes no computer science standards for grades 8-12, so that section is omitted.