

School Name: Mesa View Middle School - Team #3
Area of Science: cardiology, space science, human physiology
Project Title: Astronaut Heart

Astronaut Heart

Welcome to our project on the Astronaut Heart. Hope you enjoy it.

What is the problem? The problem is the astronauts have health risks when in space with their heart and blood vessels. What happens is the heart loses muscle mass which could lead to cardiac problems.

Looking at the problems that astronauts can and will have with their hearts after being in space is important because the answers may benefit people on Earth with heart dysfunction.

We plan to research on trusted websites and with trusted resources. We plan to write a computer program on pages using NetLogo to demonstrate the changes that occur in the human heart model during long term space. We plan to draw conclusions that can make long term heart problems less of an issue for people. We plan to analyze data, including graphs and illustrate with PixelMater. We plan to talk to experts within the appropriate science fields, as recommended by SuperComputing, etc. We hope for conclusions that will make hearts stronger for both space and Earth life.

Team Members

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