

MSEF 2024 Top 6 Senior and Junior Projects

Student	Grade	School	Senior Project Title
Jeremy Robson	12	UNMC High School Alliance	Objective Real-world Driving: A Novel Social Biomarker to Predict Cognitive Function in Drivers with MCI or AD
Anuj Singh	11	Millard North High School	The Role of Opioids in Accelerated Aging
Mercedes Renken	12	UNMC High School Alliance	The Impact of Ethylenediaminetetraacetic Acid on the Coefficient of Friction Between Ultra-High Molecular Weight Polyethylene and Cobalt Chrome
Sean Mathews	12	Ralston High School	Isolating and Purifying Soil Samples to Discover Novel Bacteria-Eating Virus (phages)
Shelby Lee	12	UNMC High School Alliance	Chemical Synthesis and Characterization of a Long Acting Tenofovir Phosphonate Prodrug
Pranavi Prakash	10	Millard North High School	CDK9-specific PROTAC 2 Treatment Sensitizes Pancreatic Cancer Cells to Navitoclax

Student	Grade	School	Junior Project Title
Brayden Johnson	8	Buffett Middle School	H2O Battery
Joseph Kwapnioski	7	St. Cecilia's Cathedral	How Far Does Electricity Transfer Wirelessly?
Carson Thorberg	7	Bennington Middle School	Breathe Green
Evan Donnelly	8	Beveridge Middle School	Bullet Proof Plastic
Sam Uno	8	Buffett Middle School	Soapy Experiment
Andrew Sorrows	7	Bennington Middle School	Digging into Growth