



Minnetonka High School

Extended Essay Research Questions and CAS Project Titles

Class of 2022

Acheson, Claire

EE Question: Was Cesar Franck's Symphony in D minor more heavily influenced by French or German musical styles?

CAS Project: All Seasons Garment Care and Tailoring Promotional Video

Acosta-Mendoza, Jocelyn

EE Question: To what extent do the changes in the film adaptation of The Perks of Being a Wallflower affect the portrayal of mental health?

CAS Project: Construction and Painting of a Small Neighborhood Library

Ahlquist, Amalia

EE Question: What was the most significant cause of advancement within women's roles in the Soviet Union between 1924 and 1942?

CAS Project: Organizing the 4th of July Pancake Breakfast for Veterans

Andrews, Madison

EE Question: When given that a current *E. coli* detection method utilizes the digestion reaction of tryptophan by *E. coli* to produce indole for detection, and that reaction also produces both ammonia and pyruvic acid, can either of the two chemicals be used to create a rapid and field-rated test for *E. coli*?

CAS Project: Collaboration with MHS Clubs to Provide Student-Created Art in Nursing Homes

Arleth, Nina

EE Question: In what ways did external global pressures work to eradicate antisemitism in Germany for the 10 years post WWII?

CAS Project: Organizing and Executing an Adoption Event with Secondhand Hounds

Baer, Maya

EE Question: To what extent does a nation's history have an impact on the creation of Extreme Metal?

CAS Project: Collaboration with Theta Xi Fraternity in Spreading First Aid

Barrett, Elena

EE Question: How and why did ceroplastics gradually evolve from being an artistic aide in the sixteenth century into a vital element of medical practice and surgical instruction in the eighteenth and nineteenth centuries?

CAS Project: The Pottery Experience - Ceramics Classes for Adults and Teens

Berger, Leo

EE Question: How does David Guterson use his characters to represent the complex dynamic of race relations in post-World War II Washington state?

CAS Project: Cooking for Firefighters

Boyko, Mara

EE Question: To what extent was Roe v. Wade the most influential factor in the progression of women's reproductive rights from 1950-1980?

CAS Project: Creation of Sustainable Jewelry Business

Brink, Josie

EE Question: What is the most efficient and realistically reproducible water treatment method in Haiti regarding the removal of Escherichia coli?

CAS Project: Cooking for Firefighters

Brown, Kate

EE Question: In what ways and with what result did the press influence the women's suffrage movement (1848-1920)?"

CAS Project: Girls United Movie Night

Colville, Jennie

EE Question: How have the works of feminist artists aimed to combat inequality and gender discrimination within the art world?

CAS Project: Bake Local Project (Selling baked goods made with local produce and donating the profits)

Cranbrook, Audrey

EE Question: What is the value of the modern criminal justice system in the United States, and what can be adapted to improve it?

CAS Project: IB Kids Against Hunger

Desombre, Camille

EE Question: In what ways, during her lifetime, did Frida Kahlo contribute to an image of change and perseverance?

CAS Project: Creation of a Guide for New International Students at MHS

Dobbins-Kralewski, Guadalupe

EE Question: In what ways did Sor Juana Inés de la Cruz struggle with the Catholic Church against the appropriation of her reputation from 1690 to 1695?

CAS Project: Training, Planning, Hiking and Camping Trip to Baker State Park

Erickson, Tiffany

EE Question: What are the effects of stormwater runoff on San Francisco Bay's sea life and in turn, how does it affect their coastal economy?

CAS Project: Creation and Charity Sale of Homemade Dog Sweaters

Friese, Ella

EE Question: To what extent does Guernica by Pablo Picasso accurately depict the adversities of the Spanish Civil War?

CAS Project: Spanish Club Outreach to Elementary Schools

Gagner, Stanly

EE Question: How does the First Arab-Israeli War of 1948 affect the continued struggle for peace, power, and human rights between the states of Israel and Palestine today?

CAS Project: IB Art Zine

Hansen, Kaelin

EE Question: What were the most significant causes of Donald Trump's victory in the 2016 U.S. presidential election?

CAS Project: MHS Winter Guard 2021-2022

Hansen, Mara

EE Question: What were the most significant victories of the Women's Health Movement in the United States (1960-2000) and in what ways was the movement limited?

CAS Project: MHS Winter Guard 2021-2022

Hanson, Phoebe

EE Question: How does modern and contemporary art's use of formal qualities demonstrate the complexities of the female figure under the male gaze?

CAS Project: Teaching How to Make Clay from Local Lake Clay Deposits

Herwig, Hadley

EE Question: While levels of plastic in the ocean increase every year, what is the efficiency of prevention methods in comparison to clean up methods of ocean plastics?

CAS Project: Fostering through Secondhand Hounds

Hollings, Jordan

EE Question: Why Has Excessive Use of Police Force Disproportionately Affected Black New Yorkers?

CAS Project: "Minnetonka Derby": Fundraiser for "We Can Ride"

Horner, Max

EE Question: What was the primary cause of the dissolution of the Holy Roman Empire?

CAS Project: Classical Literature Club

Hoy, Alexis

EE Question: To what extent can the pronatalist campaigns in fascist Italy during the interwar years of 1925-1938 be considered successful?

CAS Project: Confirmation Mentorship

Joseph, Emily

EE Question: In what ways and with what results did sexism contribute to the diagnoses of women as insane in the late 1800s in the United States?

CAS Project: Cuisine and Culture

Kangas, Maija

EE Question: To what extent was the act of Prohibition responsible for the rise of organized crime in the city of Chicago during the Prohibition era (1920-1933)?

CAS Project: Backyard Shade Garden

Kapeller, Ellie

EE Question: How are stereotypical gender roles and expectations of the Civil War period revealed in the relationships Laurie shares with the March sisters in Louisa May Alcott's Little Women?

CAS Project: Homecoming Pepfest 2021

Kibort, Julia

EE Question: "Why were the Pentagon Papers published in June of 1971, and with what significance?"

CAS Project: Mitzvah Couture Clothing Drive

Koch, Alison

EE Question: How does the First Arab-Israeli War of 1948 affect the continued struggle for peace, power, and human rights between the states of Israel and Palestine today?

CAS Project: Valentine's Day Gift Bag Campaign for Girls United

Konezny, Emma

EE Question: In what ways did the French Revolution of 1789 influence the main social groups of Saint Domingue leading up to the 1791-1804 Haitian Revolution?

CAS Project: Valentine's Day Gift Bag for Girls United

Lauer, Meredith

EE Question: To what extent did the red scare in the United States contribute to the 1973 coup in Chile?

CAS Project: Providing Free Swimming Lessons

Lighthart, Helena

EE Question: To what extent was the dramatic rise in income inequality in the United States in the 1980s a result of Reagan's economic policies?

CAS Project: Feed My Starving Children Service

Lighthart, Ishbel

EE Question: What were the most significant effects of blood typing on the advancement of medicine in the 1900s, and what do they reveal about the nature of change in the medical field?

CAS Project: Feed My Starving Children Ongoing Service

Liu, Xinyi

EE Question: What Were The Most Significant Causes of The Removal of Homosexuality As A Psychological Disorder From Diagnostic and Statistical Manual of Mental Disorders During 1968-1974?

CAS Project: Peaceful Cultural Conversation Club

Markley, Joel

EE Question: To what extent is the "Catch-all party of protest" approach the most accurate of the four competing schools of thought at interpreting the rise of the NSDAP from 1928-32?

CAS Project: Mount Olive Lutheran Church Landscaping

Maveus, Maxwell

EE Question: To what extent did The Great Kantō Earthquake contribute to the failure of 'Taishō Democracy' and the rise of ultranationalism in Japan from 1923-36?

CAS Project: Found and Lead Minnetonka History Club

Mayrose, Veronica

EE Question: "To what extent did the Mongol Empire influence change along the Silk Road, particularly in and originating from China and Persia?"

CAS Project: Conservation Fundraiser

Miller, Regan

EE Question: In what significant way did art contribute to Western assumptions of Middle Eastern women from the 18th century to the present?

CAS Project: Food Blog

O'Brien, Kamden

EE Question: To what extent was political animosity between Singapore and Malaysia to blame for the city-state's ouster from the Federation?

CAS Project: Running a Half-Marathon

Pederson, Sophie

EE Question: Using Trigonometry, To What Extent Are The Artistic Principles Of Perspective Drawings Mathematically Accurate To Human Vision?

CAS Project: Collaboration with MHS Clubs to Provide Student-Created Art in Nursing Homes

Pender, Sara

EE Question: What were the most significant factors that led to the criminalization of abortion in the 1880s in the United States?

CAS Project: "Minnetonka Derby": Fundraiser for "We Can Ride"

Perez, Tatiana

EE Question: How and why has dance been used to speak up for Black lives following the death of George Floyd and Black Lives Matter protests of 2020?

CAS Project: Dog Bathing Service, Summer of 2021

Pralle, Madeline

EE Question: What were the values and limitations of the Civilian Conservation Corps as a Great Depression relief program from 1933-1942?

CAS Project: Basement Improvement

Shields, Brianna

EE Question: How has the Legalization of Abortion Rights in Argentina Progressed Over the Years?

CAS Project: Girls United Gift Bags

Smallwood, Claire

EE Question: What does the Kyoto Protocol's Clean Development Mechanism expose about the effectiveness of international offsetting in reducing greenhouse gas emissions and promoting sustainable development?

CAS Project: Tonka Thrift 4 the Planet

Stanwood, Abby

EE Question: "In the Amazon Rainforest, how have choices made by the Brazilian government impacted the rate of deforestation over the last 30 years and thus global warming?"

CAS Project: Baking/Cooking Tik Tok Account

Treberg, Audra

EE Question: What were the most significant differences between the Aizu Women Warriors and other traditional Samurai women in Japan during the Edo period, and what impact did these differences have on the Battle of Aizu in 1868?

CAS Project: International Rescue Committee Fundraiser

Uecker, Kate

EE Question: What were the factors in the 1920s that allowed for the use of radium to continue for so long?

CAS Project: Sustainable Jewelry Brand

Van Dixhorn, Emily

EE Question: To what extent and in what ways did American gender roles for women change due to America's involvement in World War II?

CAS Project: Donation Drive for Camden Promise Food Bank

Vandergriff, Finley

EE Question: To What Extent Is Psychotherapy An Effective Method Of Treatment Relative To Antidepressants In The Treatment Of Youth Depression?

CAS Project: Cooking for Firefighters

Van Gorkum, Mats

EE Question: Have rising ocean surface temperatures caused an increase in mass coral bleaching events in the Great Barrier Reef over the past 20 years?

CAS Project: Van Gorkum Tennis and Soccer Camps

Van Gorkum, Silas

EE Question: What factor was most influential in the collapse of ancient Egypt's Old Kingdom?

CAS Project: Van Gorkum Tennis and Soccer Camps

Walker, Sanna

EE Question: How does the portrayal of women in Renaissance art reflect their roles in Renaissance society?

CAS Project: Amnesty International Write For Rights Campaign

Ward, Dalton

EE Question: To what extent was the American Indian Movement able to successfully complete their goals issued in 1972 and draw attention to their movement?

CAS Project: Forget Me Not Flower Planting Kits

Wartnick, Josie

EE Question: How did the WSM radio station transform Nashville from a banking town into the leader of the country music industry?

CAS Project: Restaurant Reviews Website

Wheeler, Quinci

EE Question: Why did the number of US women in the workforce continue to increase in the period 1945-1960 despite societal pressures to return to domesticity?

CAS Project: Building a Raised Garden Bed

Woelm, Annarose

EE Question: To what extent does Muriel Rukeyser portray the growth that occurs from childhood to adulthood?

CAS Project: Fundraising for the Sexual Violence Center

Young, Katherine

EE Question: How do the family structures in 100 Years of Solitude by Gabriel García Márquez and Brave New World by Aldous Huxley influence the nature of the societies in their respective novels?

CAS Project: Building a Free Little Library

We're proud of you all!