



## Minnetonka High School

### Extended Essay Research Questions Class of 2019

#### **Erin Ackerson**

To what extent have gun control laws helped to limit gun violence in Australia, and what effect have these policies had on public opinion?

#### **Karissa Adams**

In what ways did World War I affect the social climate of the 1920s and how accurately is this reflected through American literature?

#### **Kiera Birdwell**

How successful was Fidel Castro at achieving his goal of creating a revolutionary culture during the first 35 years of his regime?

#### **Viktor Boris**

Could algae biofuels prove to be an economically viable and biologically possible form of alternative energy for the United States in the next decade?

#### **Abri Click**

To what extent did Oskar Schindler's identity as a Nazi, businessman and a friend of the Jews allow him to salvage 1,200 Jews during the Holocaust?

#### **Tiffany Cooper**

How can we explain the disproportionate deaths of African Americans in the United States caused by police officers?

#### **Madeline Crandall**

How does Kurt Vonnegut's use of war, death and dark humor in *Slaughterhouse Five* highlight the topic of free will?

#### **Rachel Current**

Why did the efforts of American women fail to achieve equal pay, in the century after the American Civil War?

#### **Hannah Ditto**

To what extent should Carl Philipp Emmanuel Bach's Flute Concerto in D Minor be considered a Baroque work?

#### **Izaak Dittrich**

Was the use of massive bombing campaigns by Britain in Europe during the Second World War to demoralize the enemy ethical from their standpoint?

**Jacob Engdahl**

To what extent did the coronation of Charlemagne Represent a Revival of Roman Imperium in the World?

**Libby Forsmark**

How does Art Spiegelman's visual metaphor of portraying each nationality as a different animal in his graphic novel *Maus* address the issues of stereotypes?

**Megan Frommelt**

How does Erdrich's creation of Fleur embody the different experiences of twentieth-century Native Americans in her novel *Tracks*?

**Jimmy Gammill**

What role did the Space Race play in the Cold War and how did it help diffuse tensions between the Soviet Union and the US?

**Jackie Gendler**

How did Jewish prisoners survive in Nazi concentration camps?

**Luke Gogerty**

How does the difference in narration between the novel and the film *One Flew Over the Cuckoo's Nest* change the overall intended message?

**Sarah Hamilton**

How does Louise Erdrich develop Pauline's identity conflict between traditional Ojibwe culture and Christian influences in *Tracks*?

**Connor Hansen**

Following its design and later use in World War II, to what extent does the Boeing B-17 heavy bomber better suit the nickname of "Flying Fortress" or "Flying Coffin"?

**Emily Heinen**

How do symbols shape the meaning of the fable more than a typical narrative plotline with characters would?

**Meg Hellerud**

To what extent was the Minnesota Department of Natural Resources' management plan an effective form of population control on the white-tailed deer population within Minnesota's 236th deer population area from 2005-2017?

**Michele Helmer**

In what ways did the opposing Cold War ideologies influence the status of women in both East and West Germany from 1949-1965?

**Lara Henriksen**

How does the portrayal of Forrest change the overall effect of the text from the book *Forrest Gump* 1986 when translated to the film *Forrest Gump* 1994?

**Blake Heyman**

What is the role of technology in the works of Ray Bradbury, and what are the resulting effects?

**Sophia Hicks**

What is the nature of community in the novel *Plainsong*, and in what ways is it communicated?

**Alexandra Jensen**

How well did French policy in their mandate serve the goal of readying Syria for independence from 1920-1946?

**Faith Johnson**

How did discrimination and violence impact the participation of African American women in the Civil Rights Movement during the years 1954-1965?

**Anton King**

To what extent did Muammar Gaddafi's policies and ideologies impact the politics and culture of Libya after his coup d'état?

**Grace Kowalski**

To what extent has the percentage of the plastic litter among various beaches in the southern North Sea affected the amount of ingested plastic in *Fulmarus glacialis* seabirds from 2001 to 2013?

**Madison LaRoche**

How has the lack of sleep in working adults of developed nations harmed economic productivity of their respective companies?

**Thijs Larson**

To what extent does varying the NaCl concentration in an aquatic environment change the bacterial growth of *Vibrio fischeri* in the presence of octane as a nutrient source over time?

**Shelby Len**

To what extent was Dvorak's *American String Quartet* Op96 Movement influenced by American folk themes?

**Astrid Liden**

To what extent did the actions of the United Nations help cause or enhance the killings at Srebrenica in 1995?

**Rocky Limond**

What does Shakespeare's portrayal of the genders in the play *Julius Caesar* reveal about his belief of the role of women?

**Jing McIntosh-Yee**

To what extent was Confucianism responsible for the change in education system in China during the Han Dynasty (206 BCE-220 CE)?

**Audrey McMillan**

To what extent was the CBGB the most influential factor in the rise of the international punk music scene during late 1970s?

**Garrett Moen**

How does structure and perspective affect Hunter S. Thompson's "The Kentucky Derby is Decadent and Depraved", *Fear and Loathing in Las Vegas*, and *Fear and Loathing on the Campaign Trail 1972*?

**Ellie Moore**

In what ways do the portrayal of blindness and the use of alternate methods of perception influence the development of Marie Laure LeBlanc and Werner Pfenning's characters throughout their storylines in Anthony Doerr's *All the Light We Cannot See*?

**Luna Moreno**

How did the Third Reich attempt to portray themselves to other countries during the 1936 Olympic Games and to what extent was it successful?

**Wyatt Mosiman**

How does Betty Smith's inclusion of songs in her novel *A Tree Grows in Brooklyn* help her accurately portray the Irish-American experience during the early 20th century?

**Isabelle Pagano**

How has gender bias slowed the progress of women in Science, Technology, Engineering, and Math (STEM) fields within the U.S.?

**Elizabeth Perry**

To what extent does F. Scott Fitzgerald's literary character Nick Carraway differ from Baz Luhrmann's onscreen Nick Carraway, and how are these differences established through film adaptation?

**Helene Pfaendtner**

How does Betty Smith use trivial events in *A Tree Grows in Brooklyn* to paradoxically highlight the notable moments in Francie's developing relationship with her mother as she matures?

**Briette Platt**

"Women were held to be naturally inferior and therefore limited in their function to the production of offspring and the performance of household duties" (M.I. Finley). To what extent does this accurately reflect the role of women in Ancient Greek society?

**Isobel Poey**

How did the Nazi use of film evolve between 1928 and 1945 and why?

**Alexandra Pollock**

Comment est-ce que Fatou Diome utilise efficacement la perspective à la troisième personne pour révéler les difficultés cachées de l'immigration et la culture dans son roman *Le Ventre de l'Atlantique*?

**Mitchell Quirk**

What was the most significant cause of the implementation of republicanism in Ancient Rome?

**Ben Ray**

How do different kinds of loops in Java compare in terms of runtime and time complexity in the context of solving for optimal moves in mancala?

**Catie Rhodes**

What influenced the growth of anti-feminism in the United States from 1970 to 2000?

**Sarah Rhodes**

What was the primary cause of the American counterculture movement in the mid-twentieth century?

**Faith Robinson**

How does artist Yinka Shonibare communicate his intended messages of colonialism and self-identity through his artworks?

**Emily Schilke**

What were the circumstances and desired combined effect of the use of censorship and terror in the maintenance of Soviet control in the USSR under Stalin that required both methods be used simultaneously?

**Abbey Schmitz**

In what ways and to what extent does having a balanced diet affect the ability of the species *Carassius auratus*, goldfish, to learn and retain information?

**Sophia Scott**

What is the most significant factor in creating value for a work of art?

**Marie Senescall**

How does Charles Frazier develop the parallels and contrasts between the physical journey of Inman and the metaphysical journey of Ada in *Cold Mountain*?

**Claire Sester**

In what ways was Title IX of the Education Amendments of 1972 revolutionary?

**Elayna Sitzman**

According to experts of the time, influences in popular culture, and historians, what parental disciplinary styles were acceptable to use on children in the 1970s?

**Gabrielle Smith**

In what ways do the characters in Alice Munro's *The Love of a Good Woman* become trapped by their circumstances and what is Munro saying about the discontent that lurks behind the mundanities of life?

**Adrian Streed**

How and to what extent has Frank Lloyd Wright's use of geometric shapes, open designs and attention to a building's environment affected American residential architecture?

**Michaela Stromberg**

To what extent did Dominican identity contribute to the Parsley Massacre?

**Sophia Summers**

Is there any statistically significant correlation between the fractal dimension of lakes' coastlines and their respective maximum depths?

**Lily Thompson**

To What Extent were Franklin Delano Roosevelt's New Deal policies effective in instigating economic recovery for American farmers in the Great Depression?

**Luca Vereecken**

What were the determining factors that decided the fate of the Battle of the Bulge (1944-45)?

**Connor Wacker**

Should the United States of America be investing more in geothermal energy than other renewable energy sources?

**Lexi Wagner**

How did World War I affect the development of international law?

**Aksel Wenner**

To what extent was Bismarck's Kulturkampf successful?

**Sydney Zais**

What are different non-calculator methods for approximating the square root of any given number and to what extent do the methods' values and limitations make them important to understand?

**Zach Zapien**

How would a widespread shift to pescatarianism affect pollution by concentrated feeding operations in the US?