Work Cited

Primary Sources

"Alan Turing Quotes (Author of Computing Machinery and Intelligence)."

Goodreads, Goodreads,

www.goodreads.com/author/quotes/87041.Alan_Turing.

This source was used for quotes from Alan Turing while he worked

on the enigma. We used quoted throughout the site.

"Alan Turing Saved 21 Million Lives In World War II, But History Punished

Him For Being Gay." IndiaTimes, 1 Mar. 2020,

www.indiatimes.com/technology/science-and-future/alan-turing-the-fa

ther-of-modern-computing-who-saved-millions-of-lives-during-world-w

ar-ii-507318.html.

 This source was used for a picture of Alan Turing. The picture was

when he was an adult portrait.

Chris Smith Last updated: 6 June 2018 - 3.16pm. "The GPO, Tommy

Flowers and Bletchley Park and Collossus." BT.com,

home.bt.com/tech-gadgets/colossus-bt-bletchley-park-113642569878

54.

This source was used for a picture of Bletchley Park. Bletchley Park

is in England.

"Dr. Arthur Scherbius." *IT History Society*, 20 Aug. 2017,

www.ithistory.org/honor-roll/dr-arthur-scherbius.

This source was used for a picture of Arthur Scherbius. Alan

Scherbius worked on the enigma with Turing.

"Enigma Machine." *Travelling Worm*,

travellingworm.wordpress.com/tag/enigma-machine/.

This source was used for a picture of the enigma machine. The

enigma machine filled an entire room.

FHCAM - Enigma Machine,

flyingheritage.org/Explore/The-Collection/Germany/Enigma-Machine.

aspx.

This source was used for a picture of the Germans using the coding

machine. The picture is from World War 2.

Klein, Joanna. "How the Father of Computer Science Decoded Nature's

Mysterious Patterns." *The New York Times*, The New York Times, 8

May 2018,

www.nytimes.com/2018/05/08/science/alan-turing-desalination.html.

This source was used for a picture of Alan Turing. It was a real

portrait.

"My Bonhams." *Bonhams*, www.bonhams.com/auctions/22795/lot/2/.

This source was used for an image of the enigma 'typewriter'. It was a small table-top machine.

Powell, Lisa. "7 Things to Know about Dayton's Role in Beating the World War II Nazi Enigma Machine." *Dayton*, Dayton Daily News, 15 June 2017,

www.daytondailynews.com/news/local/things-know-about-dayton-role-beating-the-world-war-nazi-enigma-machine/LourXiOZgJbNpCQJDpl izN/.

This source was used for an image of the enigma machine. It was taken from World War II.

"Ultra." *Encyclopædia Britannica*, Encyclopædia Britannica, Inc., www.britannica.com/topic/Ultra-Allied-intelligence-project.

We used this source for a picture of the enigma machine. In this picture, there are women who helped with the process of the enigma machine.

Secondary Sources

Alan Turing - a Short Biography, www.turing.org.uk/publications/dnb.html.

We used this source for Alan's date of birth. The source also

described where Alan was born, in Maida Vale, London, England.

"Alan Turing." *Biography.com*, A&E Networks Television, 22 July 2020,

www.biography.com/scientist/alan-turing.

Facts of Alan Turing's childhood. He showed high intelligence when

he was little. He excelled mostly in math and science and was

interested in them more than other subjects.

"Alan Turing." *Encyclopædia Britannica*, Encyclopædia Britannica, Inc.,

www.britannica.com/biography/Alan-Turing.

Alan was a british math matiticion and logician. He made major

contributions to mathematics, cryptanalysis, logic, philosophy, and

mathematical biology and many other areas.

"Alan Turing." *The British Library*, The British Library, 15 Jan. 2014,

www.bl.uk/people/alan-turing.

We used this source for Alan Turing's death date. We used this also

for what he did in his university years.

Arthur Scherbius, en.wikipedia-on-ipfs.org/wiki/Arthur_Scherbius.html.

This source was used for facts about Arthur Scherbius. It also

described some facts about the machine itself.

"Arthur Scherbius." *Computer Hope*, 15 Sept. 2017,

www.computerhope.com/people/arthur_scherbius.htm.

We used this source for where Arthur was born. We also used it to

desribe where Arthur had died.

"Arthur Scherbius." *The Black Chamber*,

sylvainavenel.esy.es/DNL_SI/TheBlackChamber/TheBlackChamber/

ArthurScherbius.html.

Facts on Arthur Scherbius were contained in this site. It also

described what he had done with the machine.

"Bletchley Park." *Encyclopædia Britannica*, Encyclopædia Britannica, Inc.,

www.britannica.com/place/Bletchley-Park.

This source was used for facts about Bletchley Park. Also, it

described where Alan and his team worked to break the code.

Bombe, www.cryptomuseum.com/crypto/bombe/.

We used this source for "BOMBE" which was a mechanical name of

an electro-mechanical machine, developed during WWII by Alan

Turing and Gordon Welchman. They were working as coworkers at

Bletchley Park.

Chris Smith Last updated: 02 November 2017. "Cracking the Enigma Code:

How Turing's Bombe Turned the Tide of WWII." *BT.com*,

home.bt.com/tech-gadgets/cracking-the-enigma-code-how-turings-bo

mbe-turned-the-tide-of-wwii-11363990654704.

More facts about "BOMBE" were present in this site. It allowed the

codebreakers to search for patterns in the machine.

"Enigma." *Encyclopædia Britannica*, Encyclopædia Britannica, Inc.,

www.britannica.com/topic/Enigma-German-code-device.

This source was used for facts about the enigma machine. What it

was used for like they used it to send encrypted messages that only

they knew how to decipher.

"Enigma Machine." *Brilliant Math & Science Wiki*,

brilliant.org/wiki/enigma-machine/.

This source was used for facts about the enigma machine. Facts

about how it helped to gain access to german code books were also

included.

"The Enigma of Alan Turing." *Central Intelligence Agency*, Central

Intelligence Agency, 10 Apr. 2015,

www.cia.gov/news-information/featured-story-archive/2015-featured-s

tory-archive/the-enigma-of-alan-turing.html.

This source was used for an image for the codebreakers work room.

It was also used for facts about Turing's method of the "BOMBE" to

detect the settings of the enigma machine to decrypt it for the allies and themselves.

James. "Enigma Machine: Facts and Information." *Primary Facts*, 28 Sept. 2016, primaryfacts.com/5484/enigma-machine-facts-and-information/. This source was used for facts about a group of experts who were set up to break the codes. They all had different talents and known as Cypher School. They were based in a hut underground at Bletchley Park with Turing.

Lycett, Andrew. "History - World Wars: Breaking Germany's Enigma Code." *BBC*, BBC, 17 Feb. 2011, www.bbc.co.uk/history/worldwars/wwtwo/enigma_01.shtml. We used this source for facts about the enigma typewriter. The enigma broke Nazi Germany's secret wartime communications codes.

"Overlooked No More: Alan Turing, Condemned Code Breaker and Computer Visionary." *The New York Times*, The New York Times, 5 June 2019, www.nytimes.com/2019/06/05/obituaries/alan-turing-overlooked.html.

This source was used for facts about the time around Turing's death. Some facts about his homosexual relationship were used in this reference. He was arrested for it.

Sabrina Schönhart, Armin Müller. *Scherbius' Enigma*, cs-exhibitions.uni-klu.ac.at/index.php?id=282.

We included facts about 100 years later than the invention of the rotor-based cipher machine. Arthur Scherbius came up with a newer version, called the enigma. He showed the importance of cryptography to military and civil intelligence.