Works Cited

- Arvin Ash. "Hawking Radiation: How Black Holes Evaporate and Explode!" *YouTube*, 24 Apr. 2020, www.youtube.com/watch?v=E7pakDMnuMY. Accessed 3 July 2021.
- "Astrophysics Why Can't We See Black Holes?" *Physics Stack Exchange*,

 physics.stackexchange.com/questions/234345/why-cant-we-see-black-holes/234378.

 Accessed 14 June 2021.
- "Black Holes | Science Mission Directorate." *Nasa.gov*, 2021, science.nasa.gov/astrophysics/focus-areas/black-holes. Accessed 20 June 2021.
- "Black Hole Image Makes History; NASA Telescopes Coordinate Observation." *NASA*, 2019, www.nasa.gov/mission_pages/chandra/news/black-hole-image-makes-history. Accessed 20 June 2021.
- Buongiorno, Caitlyn. "Cygnus X-1: The Black Hole That Started It All." *Astronomy.com*, 3 Mar. 2021, astronomy.com/news/2021/03/cygnus-x-1-the-black-hole-that-started-it-all. Accessed 20 June 2021.
- Choi, Charles Q. "Famous Black Hole Sheds New Light on Warped Space, Magnetic Fields."

 Space.com, Space, 24 Mar. 2011,

 **www.space.com*/11222-black-holes-cygnus-warped-space.html. Accessed 20 June 2021.
- Falk, Dan. "Newfound Black Hole May Be the Closest to Earth." *Science*, National Geographic, 29 Apr. 2021,
 - www.nationalgeographic.com/science/article/newfound-black-hole-may-be-the-closest-to-earth. Accessed 29 July 2021.

- First Black Hole Ever Detected Cygnus X-1 Is Much More Massive Than We Thought. "First Black Hole Ever Detected Cygnus X-1 Is Much More Massive than We Thought."

 **SciTechDaily*, 18 Feb. 2021,

 **scitechdaily.com/first-black-hole-ever-detected-cygnus-x-1-is-much-more-massive-than-we-thought/. Accessed 20 June 2021.
- Fore, Meredith. "Stephen Hawking Was Right: Black Holes Can Evaporate, Weird New Study Shows." *Livescience.com*, 10 June 2019, www.livescience.com/65683-sonic-black-hole-spews-hawking-radiation.html. Accessed 3 July 2021.
- "Geiger-Mueller Counter." NRC Web, NRC Web, 2021,
 www.nrc.gov/reading-rm/basic-ref/glossary/geiger-mueller-counter.html. Accessed 20
 June 2021.
- Griggs, Mary Beth. "Consent Form | Popular Science." *Popsci.com*, 24 May 2018, www.popsci.com/black-hole-birth-growth-death/. Accessed 3 July 2021.
- "How Far Away Is the Moon?" *Www.rmg.co.uk*,

 www.rmg.co.uk/stories/topics/how-far-away-moon. Accessed 29 July 2021.
- "June 1911: Invention of the Geiger Counter." @Apsphysics, 2012,
 www.aps.org/publications/apsnews/201206/physicshistory.cfm. Accessed 7 July 2021.
- Kurzgesagt In a Nutshell. "Black Holes Explained from Birth to Death." *YouTube*, 15 Dec. 2015, youtu.be/e-P5IFTqB98. Accessed 3 July 2021.
- Kurzgesagt In a Nutshell. "The Most Extreme Things in the Universe Ultimate Guide to Black Holes." *Www.youtube.com*, 27 Apr. 2021, youtu.be/QqsLTNkzvaY. Accessed 3 July 2021.

- Mitchell, and Keast. "Light and the Nature of Seeing." *Www.education.vic.gov.au*, 5 Sept. 2018, www.education.vic.gov.au/school/teachers/teachingresources/discipline/science/continuu m/Pages/lightnature.aspx#:~:text=The%20act%20of%20. Accessed 14 June 2021
- Murchadha, N. O. "1982IrAJ...15..327M Page 327." *Adsabs.harvard.edu*, adsabs.harvard.edu/full/1982IrAJ...15..327M. Accessed 3 July 2021.
- "NASA Visualization Shows a Black Hole's Warped World." *NASA*, 2019, www.nasa.gov/feature/goddard/2019/nasa-visualization-shows-a-black-hole-s-warped-world. Accessed 21 June 2021.
- Neto, David. "Black Holes & Time Travel | TEDxOStateU." *YouTube*, 28 Apr. 2015, www.youtube.com/watch?v=8khcH5Lqxgk. Accessed 3 July 2021.
- Pacucci, Fabio. "Hawking's Black Hole Paradox Explained." *YouTube*, TED-Ed, 22 Oct. 2019, youtu.be/r5Pcqkhmp_0. Accessed 3 July 2021.
- Patel, Neel V. "The First Black Hole Ever Discovered Is More Massive than We Thought." *MIT Technology Review*, MIT Technology Review, 18 Feb. 2021, www.technologyreview.com/2021/02/18/1019091/first-black-hole-ever-discovered-cygnu s-x-1-more-massive/. Accessed 20 June 2021.
- "Radiation Measurement Geiger-Müller Counters | Britannica." *Encyclopædia Britannica*, 2021, www.britannica.com/technology/radiation-measurement/Geiger-Muller-counters.

 Accessed 7 July 2021.
- Schnittman, Jeremy. "The 1964 Discovery of Cygnus X-1 Filled in a Missing Piece of Einstein's Puzzle and Widened Our Understanding of the Universe." *Astronomy.com*, 29 Aug. 2019, astronomy.com/magazine/2019/08/a-brief-history-of-black-holes. Accessed 20 June 2021.

- Seeker. "Do Black Holes Ever Die?" *Www.youtube.com*, 13 Sept. 2016, youtu.be/UdUbpdzCdu8.

 Accessed 3 July 2021.
- "Stellar Black Hole | COSMOS." Swin.edu.au, 2021, astronomy.swin.edu.au/cosmos/s/Stellar+Black+Hole. Accessed 20 June 2021.
- "Supermassive Black Hole | COSMOS." Swin.edu.au, 2021, astronomy.swin.edu.au/cosmos/s/supermassive+black+hole. Accessed 20 June 2021.
- "The Different Types of Black Holes and How They Form." *Astronomy's Space & beyond Box*, 23 July 2020, spaceandbeyondbox.com/the-different-types-of-black-holes-and-how-they-form/.

 Accessed 20 June 2021.
- Wei-HaaS, Maya. "Black Holes, Explained." *Science*, 21 Sept. 2018, www.nationalgeographic.com/science/article/black-holes. Accessed 15 June 2021.
- "What Is a Black Hole?" *NASA*, 2015,
 www.nasa.gov/audience/forstudents/k-4/stories/nasa-knows/what-is-a-black-hole-k4.html
 . Accessed 20 June 2021.
- "What Is a Supernova? | NASA Space Place NASA Science for Kids." *Nasa.gov*, 2019, spaceplace.nasa.gov/supernova/en/. Accessed 20 June 2021.