Brown, W., & Brown, J. (2019, December 07). How to Build Arduino Quadcopter Drone: Step-by-Step DIY Project. Retrieved January 27, 2021, from https://www.mydronelab.com/blog/arduino-quadcopter.html

When I began to look at this source, I thought it might be a bit unreliable because it's coming from a blogpost, when in fact it is quite reliable. The author of this article lists out every step in making this drone. It's a blog post saying things such as "Now, unlike the traditional helicopter, the quadcopter relies on its four rotors to generate uplifting thrust by working together." The author, Jack Brown, clearly knows what he's speaking about this will be helpful for me in making the Arduino drone. The author makes sure to list out the parts and where the parts for the project can be found which makes it easier for readers such as myself to order the parts, and follow along with the instructions.

Circuits, Robo. "Arduino Drone." *Arduino Project Hub*, 28 Dec. 2018, create.arduino.cc/projecthub/robocircuits/arduino-drone-4c0ccb.

This article describes how to create a flight controller for an Arduino drone, this article is very reliable because it links all the parts and codes needed for the flight controller. I think that this will come in handy when I begin to work on the flight controller for the drone, it makes sure that all the steps and components are easy to follow and anyone can pick it up and try it. The website also has models and drawings of what each part of the component should look like which makes it an even better guide. This source will be extremely helpful when it comes time to make the flight controller.

Coach, UAV. "Drone Laws in the U.S.A.: UAV Coach (2021)." *UAV Coach*, 21 Jan. 2021, uavcoach.com/drone-laws-in-united-states-of-america/.

This article describes the laws and regulations that are involved with commercial drone flight within each state in the United States. This article is a reliable source all of the information that this website provides comes directly from the "U.S. Federal Aviation Authority." This website was useful because it helped me to understand the laws and regulations that I have to abide by because I currently reside in Pennsylvania and will most likely be flying and testing this drone in Pennsylvania. For example, I never knew that if I fly a drone in Pennsylvania as a hobbyist and it weighs more than 0.55 lbs, I would have to pay $5 to get it registered, but now thanks to the website I have that valuable piece of information.

Crawford, Charles. "6 Awesome Ways Drones Are Being Used Today." *Lifehack*, Lifehack, 26 May 2016, www.lifehack.org/403615/6-awesome-ways-drones-are-being-used-today.

This website article talks about all the uses of drones today, this article miraculously seems to have some bias towards drones it's evident in the way that the article itself is titled, "6 Awesome Ways…." the author describes the drones as awesome and the tone of the article sounds like the author is trying to convince you to buy drones or just research drones more. I only used this article because I wanted to see other ways that I could use this drone instead of just using it as a way to entertain someone else. If anything this website only made me think about adding a camera or another tool onto the drone.

CTIA. "Up, Up and Away: How Do Drones Work?" *CTIA*, 12 Apr. 2019, www.ctia.org/news/up-up-and-away-how-do-drones-work.

This source describes the mechanics of drones and how they are able to fly in the air. The author seems to know what they're talking about but at the same time, they don't show evidence of the claims they're making. I might not even be able to know if what they're saying about the rotors controlling the vertical motion is factual or not. If they would've backed their claims up with concrete evidence, then this source would be more reliable. This source helped me to know how not to do my capstone project presentation when the time comes, I will need to back up every claim and finding I make with concrete evidence so that viewers will believe in me.

Feist, Jonathan. "Drone Prices - How Much Do Drones Cost?" *Drone Rush*, 5 Aug. 2020, dronerush.com/drone-price-how-much-do-drones-cost-21540/.

This article describes the differing costs of drones and which drone might be the best for you. This article is a very reliable source it lists all the different prices and types of drones and then links where you can find that same drone for the same price or even at a lower price. I felt that I needed to use this article because the cost of my materials was looking to be somewhere around $150, so I wanted to know if my drone would be around the same cost as other drones on the market, or if I would be spending far too much money on this project.

Kennedy, Martinez "Are Drones Safe for Kids? [Dronethusiast.com]." *Dronethusiast*, 26 Sept. 2019, www.dronethusiast.com/are-drones-safe-for-kids/.

This article tries to inform parents about drones and helps parents to know if drones are safe for their kids. This article is a reliable source because it lists out all the pros and cons of allowing children to fly drones and it also makes sure to back up every claim with evidence. An example of this is when the author said that drones must never fly near other aircraft and then links where it says this on the Federal Aviation Administration's website. This source helped me to know if I should even bother with donating this drone to the Salvation Army, knowing that it would most likely be given to a child.

Lovin, Kathy. “6 Things to Know About Your Donations.” *The Salvation Army Western Territory*, 9 May 2017, westernusa.salvationarmy.org/usw_thq/news/lent_donations/.

This article describes things you should know about donating to the salvation army. This article is a reliable source because it comes from the Salvation Army website itself, the only problem I could see is that it comes from the Salvation Army so they might try and exaggerate some details to make themselves look better, like when they say that everything you donate will be used to help my community, I doubt that. I feel like sometimes they might give the items to different Salvation Army sites or somewhere out of my communities’ reach. This website was useful to me because this company is the one that I want to donate to so that they can give it to a child or someone in need of some entertainment during this pandemic.

Matt. “Should I Buy a Drone for My Kids? - A Comprehensive Guide for Parents.” *Southern Phone Mobile, Home & Broadband Plans*, www.southernphone.com.au/Blog/2018/Feb/a-parents-guide-to-drones-for-kids.

This source tries to give reasons as to why you should or shouldn’t buy a drone for your kids. The article is a very reliable source it makes sure to talk about regulations and other safety hazards that might be involved in drone flying and backs up its claims with evidence from the Civil Aviation Safety Authority. I picked this article because I wanted to see the appeal that drones might have for kids, kids will be the target audience for my project, because I will be donating my project to a child who might be disadvantaged and looking for some form of entertainment. This source also helped me to know some rules and regulations of drone flying, so I can do this project without breaking any civil aviation laws.

University of Nevada. “Youtube Video.” *Engineering Capstone Project*, YouTube, 16 Sept. 2019, www.youtube.com/watch?v=rvC-zXt65dI.

This youtube video shows off the different capstones that engineers made at the University of Nevada. This video is reliable because it shows live footage and some clips from the presentations that senior engineering students had made. I used this video originally, because, I wasn’t sure of what I wanted to do for my capstone project at first and needed some inspiration, seeing all the other cool projects that college students made was more than enough inspiration and led me to make this drone. This video also helped me to see what the presentation itself should look like when I have to present in May.