



Highly Commended

Multimedia

Year 9-10

Felicity Taylor

**Walford Anglican School for
Girls**



Oliphant Science awards

Mending Hearts using Nanotechnology

By Felicity Taylor – 9.1

Website link:

<https://3445802.wixsite.com/my-site>

Discussion:

During the research, design, and creation of my oliphant science awards website, a few challenges occurred during the process. I started my project using a PowerPoint presentation template, although halfway through the process it became too simple and was not visually pleasing. I had to think of a new way to present my information and when I decided on a website finding an easy and effective program was challenging. It took a lot of trial and error between programs to find some that would portray my vision for this project and was not difficult to navigate and use. Finding resources on my chosen topic was also challenging as this technology is new and therefore only minimal information has been published about it. This resulted in my research being difficult and many sources were analysed in order to have a deep understanding of this topic. My project was created without any other help or guidance and was created by an online website designer called Wix Website Editor. No other additional platforms were used in the creation of my websites.

Bibliography:

Australian Institute of Health and Welfare 2021, *Cardiovascular disease*, Australian Government, Canberra, viewed 11 June 2021, <<https://www.aihw.gov.au/reports/heart-stroke-vascular-diseases/cardiovascular-health-compendium/contents/how-many-australians-have-cardiovascular-disease>>.

AZONano 2005, *What is Nanotechnology and What Can It Do?*, viewed 11 June 2021, <<https://www.azonano.com/article.aspx?ArticleID=1134#:~:text=Nanotechnology%20is%20a%20field%20of,%2C%20on%20average%2C%2080%2C000%20nanometres>>.

Cardiovascular Diseases 2019, WebMD, viewed 14 June 2021, <<https://www.webmd.com/heart-disease/guide/diseases-cardiovascular>>.

Henderson, R 2019, *Heart disease: symptoms, causes, diagnosis and treatment*, United Kingdom, viewed 14 June 2021, <<https://www.netdoctor.co.uk/conditions/heart-and-blood/a1170/heart-disease/>>.

Hossein Tavassoli – Mending broken hearts 2019, Australian Science Channel, Australia, viewed 14 June 2021, <<https://australiascience.tv/vod/hossein-tavassoli-mending-broken-hearts/>>.

Mayo Clinic 2021, *coronary artery disease*, viewed 14 June 2021,
<https://www.mayoclinic.org/diseases-conditions/coronary-artery-disease/symptoms-causes/syc-20350613?utm_source=Google&utm_medium=abstract&utm_content=Coronary-artery-disease&utm_campaign=Knowledge-panel>.

Mayo Clinic 2021, *Heart arrhythmia*, viewed 14 June 2021,
<<https://www.mayoclinic.org/diseases-conditions/heart-arrhythmia/diagnosis-treatment/drc-20350674>>.

Mayo Clinic 2021, *Heart failure*, viewed 14 June 2021,
<https://www.mayoclinic.org/diseases-conditions/heart-failure/symptoms-causes/syc-20373142?utm_source=Google&utm_medium=abstract&utm_content=Heart-failure&utm_campaign=Knowledge-panel>.

Mayo Clinic 2021, *High blood pressure (hypertension)*, viewed 14 June 2021,
<https://www.mayoclinic.org/diseases-conditions/high-blood-pressure/symptoms-causes/syc-20373410?utm_source=Google&utm_medium=abstract&utm_content=Hypertension&utm_campaign=Knowledge-panel>.

National health service 2018, *Cardiovascular disease*, United Kingdom, viewed 14 June 2021,
<<https://www.nhs.uk/conditions/cardiovascular-disease/>>.

U.S. Department of Health and Human Services 2011, *Conquering Cardiovascular Disease*, United States Government, United States, viewed 14 June 2021,
<<https://www.nhlbi.nih.gov/news/2011/conquering-cardiovascular-disease>>.

Using nanotechnology to mend broken hearts 2019, Cosmos Magazine, viewed 14 June 2021, <<https://cosmosmagazine.com/the-engineer-using-nanotechnology-to-mend-broken-hearts/>>.