



Highly Commended

# Multimedia

## Year 5-6

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# **How Vaccines Work**

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## **Introduction**

Vaccinations have been vital in helping to stop the spread of infectious diseases. According to the World Health Organization (WHO), vaccines are currently preventing more than 2 million deaths each year relating to diseases. In the past, vaccines have been used to control Ebola, Poliomyelitis, The Spanish Flu and now, COVID-19. The world would be very different without vaccines. Vaccines are a sustainable way to reduce the toll taken on society from infectious diseases (Akiko Iwasaki & Saad B. Omer, 2020). My multimedia is aimed at educating people about how exactly vaccines work and the importance of them. It also explains how the immune system works, and how vaccines and the immune system work hand-in-hand to eradicate a virus from the body. The science behind my multimedia is the vital processes in biology and immunology.

## **Software**

The application used to create the multimedia project was Powtoon. It was then edited on iMovie.

The URL to access the multimedia production is:

<https://www.youtube.com/watch?v=yGsHpeHicpQ>

## **Problems and Solutions**

I started by developing a script for my multimedia production. However, then I faced a problem of finding the best application I could use to make the project. I did not know whether I should do a stop motion, animation with digital art, or a whiteboard explainer with cartoon animation. I overcame this by trying out different ways I could make my video. I trialled each of these for a part of my written script. I then found that Powtoon was my best option.

Another challenge I faced was to find credible resources and to combine all the knowledge into the script of 3 minutes. I used research papers and information provided by government institutions to compile my multimedia production.

I also faced a challenge of ensuring the video was within the allowed time limit. When I had a couple of scenes left, I had already reached 3 minutes. I overcame this problem by talking faster in my voiceover and cutting out unnecessary pauses.

## Acknowledgements

My mum helped me find articles which I could read to gain more knowledge about my topic. She also proofread my script and looked over my video just to double check there were no mistakes.

## Bibliography

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