



**Prize Winner**

# **Science Writing**

## **Year R-2**

**Jack Williams**

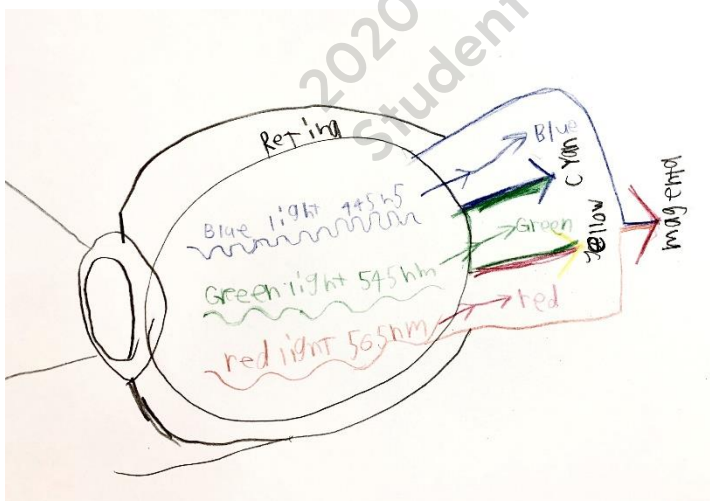
**Immanuel Primary School**

## Hidden Waves

In the world there are a lot of different types of waves. Some waves can't be seen, including sound waves and light waves.

Every sound heard is from moving air and starts with something vibrating. This makes the air vibrate and carry sound to ears. The vibrations that carry sound are called sound waves, which move by squeezing air molecules together and then stretching them apart. Loud and quiet sounds, and high and low pitched sounds are caused by different wavelengths. Sound waves travel faster through liquids and solids than through air because the molecules in liquids and solids are closely packed together and air molecules are spaced apart.

Light is the fastest thing in the universe. It is a form of electromagnetic radiation, and the only of these wavelengths that is visible to human eyes. Colours are different wavelengths of light. The longest wavelengths that can be seen are red and the shortest are violet. A rainbow is made when wavelengths in white light are split, and each colour bends by a unique amount.



The different light wavelengths seen in the eye.

Copied from Dinwiddie et al, 2018 'How Science Works'.

There are hidden waves all around, which create the sounds heard and the colours seen.

Word count: 190

### References

Dinwiddie R, Lamb H, Franceschetti D, Viney M (eds), 2018, How Science Works, Dorling Kindersley Limited, Great Britain.

Kelly M, 2018, 600 Awesome Facts, Miles Kelly Publishing, Thaxted, Essex.

My mum helped me find some information, open up a word document and add in the picture I drew. My mum helped me submit my writing piece online.

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