



HJS SEND NEWSLETTER

Welcome to the half-termly Special Educational Needs and Disabilities (SEND) newsletter for Hillborough Junior School.

THIS MONTH'S TOPICS:

- Looking at Colour Blindness
- What causes it and what can we do?
- Books that might be helpful
- Activity to do at home

IMPORTANT!

If your child is in Year 6, don't forget to visit potential high schools before you apply. Most schools have open evenings or online tours that you can access.

If your child has a special education need, make sure you ask about how SEND pupils are supported at the school. Look at their websites for their SEND policy as well.

WHAT IS COLOUR BLINDNESS?

Colour (color) blindness (colour vision deficiency, or CVD) affects approximately 1 in 12 men (8%) and 1 in 200 women. In the UK there are approximately 3 million colour blind people (about 4.5% of the entire population), most of whom are male. Worldwide, there are estimated to be about 300 million people with colour blindness. This means that there could be children in our school who are colour blind and may not know it!

There are different types of colour blindness and in extremely rare cases people are unable to see any colour at all, but most colour blind people are unable to fully 'see' red, green or blue light.

The most common forms of colour blindness are collectively known as 'red/green colour blindness'. Although 'red/green colour blindness' is a common term, there are different types and severities.



There is a huge myth that people with colour blindness

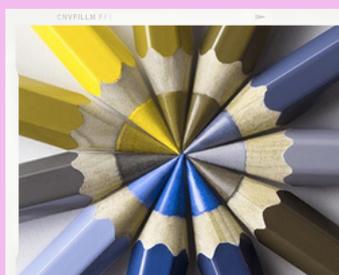
- only can't 'see' red and green
- only confuse red with green, or
- see reds as greens and greens as reds

None of these statements are true!

Being 'red/green colour blind' means people with it can easily confuse any colours which have some red or green as part of the whole colour. So someone with red/green colour blindness is likely to confuse blue and purple because they can't 'see' the red element of the colour purple. See the example of pink, purple and blue pen cases above to understand this effect.

The 6th September every year is Colourblind Awareness Day and this year we shared a story with the children and showed them the illustrations through a colour blindness simulator app (see the activity below).

Visit colourblindawareness.org for more information.



Colour blindness can impact a huge number of people and we are sometimes completely unaware of the difficulties they face.

What causes Colour Blindness?

There are different **causes of colour blindness**. For most colour blind people their condition is **genetic**, usually inherited from their mother, although some people become colour blind as a result of other diseases such as diabetes.

How can we support colour blindness in school and at home?

One of the easiest and most important things that we can do is to **Label coloured pencils and pens etc**. This way, children will easily be able to **identify what they need**. You could also **investigate with your child to see if there is anything else around the house that would need to be labelled to help them**.



This book was written by Malachi who explains what it's like to be a child with colour blindness.

Activity for home

Why not use the activity in the following pages at home to see what the world looks like to someone who is colour blind? The book below was used as part of a campaign to raise awareness over the Queen's Platinum Jubilee. Children in school tried it and would love to do this at home too.

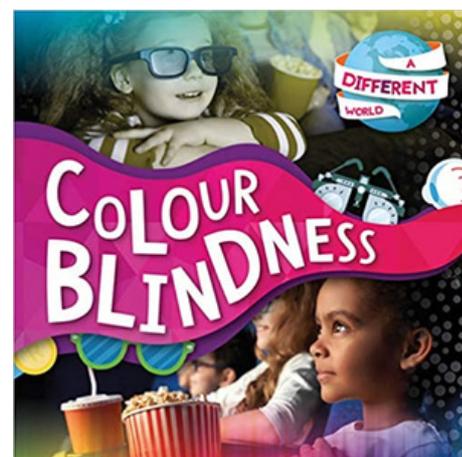
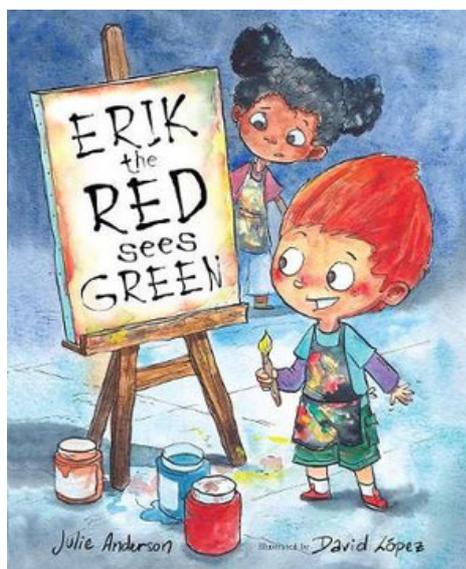
REDESIGN THE QUEEN'S HAT

A fun activity to raise awareness of colour-blindness whilst celebrating **The Queen's Platinum Jubilee**



www.colourblindawareness.org + www.steveantony.com

Some books that might be helpful are...



Redesign The Queen's Hat

A fun activity to raise awareness of colour-blindness while celebrating The Queen's Platinum Jubilee

Colour-blind children's author and illustrator, [Steve Antony](#), has teamed up with [Colour Blind Awareness](#) to invite schools to redesign **The Queen's Hat** from his bestselling picture book.



Not only is this a fun way to celebrate **The Queen's Platinum Jubilee**, but it's been created to raise awareness of colour-blindness and help schools support their colour-blind learners. *Did you know that 1*

in 12 boys and 1 in 200 girls are colour-blind?

By downloading the **Chromatic Vision Simulator app** (instructions below), teachers and pupils can view their colourful hats through the eyes of a colour-blind person.

This fun activity was ultimately created to raise awareness of colour-blindness and help schools to support their colour-blind pupils by doing at least **Just One Thing** to make their classrooms more colour-blind friendly (examples below).

Instructions

- Print and colour-in the downloadable **Redesign The Queen's Hat** A4 activity sheet (below). Alternatively, your pupils can use a blank sheet to draw and colour in their own designs, or they can even make 3D hats – just have fun! The goal is to make your royal hats as colourful as possible!
- Display all of your pupils' colourful hats in your classroom or hall.
- Download* the **Chromatic Vision Simulator** app. This free app can be downloaded to any smart device from either the Apple App Store and the Google Play Store. Simply search for **Chromatic Vision Simulator**.The image shows the icon for the Chromatic Vision Simulator app. It is a square icon with rounded corners, featuring a central circular lens with a rainbow spectrum of colors (red, orange, yellow, green, blue, purple) and a white border, set against a background of orange and yellow gradients.
- Allow your pupils to look through the app to see how colour-blind people will see their colourful hats.
- Finally, and most importantly, think of at least *just one thing* you can do to make your classroom more colour-blind friendly (see the **Just One Thing** examples below).
- And please do share photos with us using #JustOneThing #TheQueensRedesignedHat on Twitter at [@colourblindorg](https://twitter.com/colourblindorg) and/or [@mrsteveantony](https://twitter.com/mrsteveantony)

*Download at your own risk.

