

Building Science Concepts book, *Light and Colour* Book 10

I believe that the more a student is able to do for themselves generally the more engaged the student is, this is why I think using interactive animations such as Optics Workbench (<http://www.iknowthat.com/com/L3?Area=OpticsWorkbench>) are very beneficial to a classroom. In the activity Optics Workbench students explore how different materials affect light and could be used in conjunction with several activities from using the *Building Science Concepts* book, *Light and Colour* (Ministry of Education, 2002), but especially the Bouncing, Traveling Light activity (see page 17).

Building Science Concepts books 'Light and Colour'
(2013, May 28). Retrieved May 28, 2013, from BrainPOP:
<http://www.brainpop.com/science/energy/color/preview.weml>

(2013, May 28). Retrieved May 28, 2013, from BrainPOP:
<http://www.brainpop.com/science/energy/light/preview.weml>

I have found a diagram that shows in detail the main functions of an eye and how an eye views colour and reacts to various forms of lighting.
(<http://www.kscience.co.uk/animations/eye.htm>). I believe that the more a teacher relates a subject directly to a student through ways the student understands, the more a student can participate in the activity and understand the subject on a deeper level. I also feel that if a student is given the chance to take part and participate in a hands-on activity then they are far more likely to engage with the subject.

KScience. (2010). *Animations*. Retrieved from
<http://www.kscience.co.uk/animations/eye.htm>
Building Science Concepts 'Light and Colour'

An online resource to support this book is a website that explains about how the eye sees objects and the colours of the object.
<http://www.childrensuniversity.manchester.ac.uk/interactives/science/brainandsenses/eye/> It would be a useful tool to show children at the beginning of the topic. The nature of science would have a large impact on my future classroom and my students learning.

How the Eye Works - The Children's University of Manchester. (n.d.). *The Children's University of Manchester*. Retrieved May 28, 2013, from
<http://www.childrensuniversity.manchester.a>

Wong, B. (2011). Color blindness. *Nature Methods*, 8(6), 441. Retrieved from
<http://go.galegroup.com/ps/i.do?id=GALE%7CA258435202&v=2.1&u=otago&it=r&p=AONE&sw=w>