

Part 4 How do we see the world?

Activity No	Activity Name	Lesson type	Activity Description	
4.1	Mirror, mirror	Engage & Explore	Students are introduced to scientific terms, observe and record the reflection of light from plane, concave and convex mirrors and distinguish between virtual and real images.	
		Hands-on & Digital		
		Medium		
4.2	Does light travel in straight lines?	Engage & Explore	Students use standard lab equipment to explore how lenses and water affect the path of light. This is consolidated with a digital activity.	
		Hands-on & Digital		
		Long		
4.3	The world of colour	Engage, Explore & Explain	Students explore the visible light spectrum and use filters and prisms to separate colours. They explore colour addition and learn how humans see colour.	
		Hands-on & Digital		
		Long		
4.4	Eye defects	Explore, Explain & Elaborate	Students explore a variety of eye defects through a simulation and acquire knowledge through videos about cataracts, multifocal lenses and glaucoma.	Optional
		Digital		
		Short		