

GO FURTHER WORKSHOPS

Lesson Plan One

How We Make Our World A Better Place through Optics 1

Slide	Subject	Description	Timing
1	Introduction	Introduce yourself and the workshops	5 mins
2	Optics	What is Optics?	10 mins
3	Classical Optics and Products	A historical view of glass, lenses and uses, mirrors (self-portraits).	10 mins
4	Lenses and Mirrors Activity	Introduce the challenge – pupils to capture images around a corner using mirrors, with lenses to amplify the image.	15 mins
5	Learning through Optics	Optical science – uses in Medical Healthcare, microscopes, Astronomy through telescopes.	10 mins
6	Helping Others Through Optics	Applications in Medical Healthcare – microscopy	5 mins
7	Review		5 mins