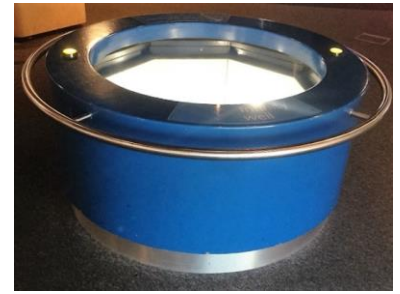


Infinity well



Location

First floor, Curiosity zone exhibition

In a nutshell

Why does the well look so deep? Could it be a trick to do with mirrors?

What to do

Press the yellow button and look into the well. Why does it look like the well goes on forever? You should be able to see that mirrors are involved; can you explain the mystery of the infinity well?

Time Required

KS1 & KS2 2-3 minutes per student.

What's happening?

When two mirrors are aligned parallel so that they are at 0° angles with each other an infinity mirror effect is created. Light rays are reflected repeatedly between the two mirrors which produces multiple images giving the impression of infinite depth. If an object was between the two mirrors you would see alternate front and back views of the object decreasing in size.

Curriculum links

Curriculum links	
KS1/2	<p>Science - Light</p> <ul style="list-style-type: none">- (Yr3) recognise that they need light in order to see things and that dark is the absence of light- (Yr3) notice that light is reflected from surfaces- (Yr6) recognise that light appears to travel in straight lines- (Yr6) use the idea that light travels in straight lines to explain that objects are seen because they give out or reflect light into the eye- (Yr6) explain that we see things because light travels from light sources to our eyes or from light sources to objects and then to our eyes <p>English - Spoken language</p> <ul style="list-style-type: none">- articulate and justify answers, arguments and opinions- give well-structured descriptions, explanations and narratives for different purposes, including for expressing feelings- use spoken language to develop understanding through speculating, hypothesising, imagining and exploring ideas

Relates to:

Workshops & Theme Days	Shows	Trails	Other exhibits
<ul style="list-style-type: none">• Colourful Chemistry (KS2 upper)• Light and Shadow (KS2)	<ul style="list-style-type: none">• Light Fantastic (KS2)		<ul style="list-style-type: none">• Topsy turvy mirror• Focusing light• Spectra• Vein viewer• Ghostly hand

