



PREPARATION

THEME: LIGHT & SHADOWS

MYSTERY BAG

A TORCH (OR LIGHTBULB)
BE CAREFUL IF USING A LIGHTBULB!

EXPLORATION RESOURCES

- TORCH, TORCH ON PHONE OR DESK LAMP
- WATCH THE CLASS IN A ROOM DARK ENOUGH FOR YOUR TORCH TO CAST YOUR CHILD'S SHADOW ON THE WALL
- INTERESTING SHAPED OBJECT TO CAST SHADOWS / BLOCKS
- PAPER, TAPE & CRAYON
- TRANSLUCENT COLOURED PLASTIC TOYS OR CONTAINERS, OR COLOURED CELLOPHANE/TISSUE PAPER
- OPTIONAL PUPPET THEATRE: SHOE BOX, GREASEPROOF PAPER, TAPE, SMALL CHARACTER TOYS, STRAWS, BLACK CARD



EXPLORATION

THEME: LIGHT & SHADOWS

S
Science

T
Technology

E
Engineering

A
Arts

M
Maths

Questions/Ideas:

Torch: Can you turn the torch on and off?

Outside: Where's your shadow? Where's the light? Can you make your shadow dance/touch toes etc?

Blocks: What's the tallest shadow you can make with these blocks? Can you move the torch to help you?

Paper & Crayon: Let's draw an interesting shaped shadow. Can you move the shadow without moving the object?

Colours: What do you think will happen if we shine the torch through this coloured toy/paper?

Shadow Puppets: Can we make our own shadow puppet theatre and puppets?

Learning:

Torches are a source of light, as is the Sun

Shadows of objects move when the objects move

Shadows can change size and position by repositioning the torch

Fine motor skills turning torch on and off and drawing shadows

Light that passes through a colour filter changes colour

Creativity and imagination skills in creating puppet show

