

Leaders: _____

Meeting Type: Basic (Indoor) _____

Theme: Colours and Light

Time	Method of Learning	Activity Description	Equipment Required	Leader
4.30pm	Ceremonies	Opening Ceremony & Promise	Flags, Copy of Promise	
4.35pm	Introduction and Game	<u>Colours:</u> How many colours do we need to make all the colours of the rainbow? <u>Game:</u> 'Find the Colour' (see notes)	See notes	
4.45pm	Activity (Base 1) *3 bases running simultaneously	<u>Creative Colouring:</u> Joeys make use of different mediums to create art works.	See notes	
4.55pm	Activity (Base 2)	<u>Shadow Puppets:</u> Joeys watch a short video of Shadow Puppets then try to create their own using their imagination or following instructions given on handouts.	See notes	
5.05pm	Activity (Base 3)	<u>Hands on Experiments with Light & Colour:</u> Joeys experiment with light and colour in a guided discovery using everyday objects.	See notes	
5.15pm	Story	Read 'The Cocky, the Crow and the Hawk' (a Dreamtime Narrative) Christine Nicholls (Ed)	Book: 'The Cocky, the Crow and the Hawk' Christine Nicholls (Ed)	
5.25pm	Ceremonies	Closing Ceremony & Law & Prayer,	Flags, Prayer Book, Copy of Law,	

Leaders Available:	Parent Helpers:
Birthdays:	Attendance:
Announcements about next Meeting:	
Announcements about Activities:	
Comments:	

Activity Base One (Creative Colouring)

Time Allowed: 10 minutes

Equipment Required: (change to suit your own Mob's needs)

Colouring-in sheet (The theme for the original meeting was 'World Kids Colouring Day May 6th', so I had an official Colouring-in sheet from the website www.world-kids-colouring-day.com.au)

Coloured Pencils and/or Textas

Watercolour Book (A5 size) Can be purchased from Newsagent, about \$3 for 30 sheets

Watercolour Pencils, Can be purchased from Big W for about \$3 for a pkt of 12

Paintbrushes (small)

Pot of water

'Crayola' brand Colour Wonder Paper and Markers, Can be purchased from Target for about \$15 for the set (6 markers and 30 A4 size pages of paper – I made the pieces of paper smaller so they would go further.

'Crayola' brand Colour Explosion Paper and Markers, again, can be purchased at Target for about \$15 the set (3 markers, 20 A4 pages of paper and a stencil sheet) – again I made the paper smaller so they would go further.

Activity:

Items are laid out on a table and Joeys choose what they would like to do and go for it!

(make sure names are written on the artwork for collection at the end of the meeting)

Note: the markers for the different Crayola papers are specific, so make sure the correct markers are with the correct papers.

Activity Base 2 (Shadow Puppets)

Time Allowed: 10 minutes

Equipment Required: (change to suit your own Mob's needs)

A Dark room/area !

Large Sheet of White Cardboard (or back of large poster)

Blu Tack or Masking Tape to secure Cardboard or Poster to wall

Handouts (Shadow Puppets)

Bright Torch (Maglite or LED Torch)

(Optional) PSP or iPod Video with videos of ShadowPuppets

(I found the clips I used from You Tube and captured them with 'Hypercam' (a free program), then converted them to PSP format. If you have the technology, use it! If you don't the kids can still have fun experimenting with their imagination)

Activity:

Joeys are shown a short video about Shadow Puppets, then experiment on their own, referring to the handouts or just using their own imagination !

(The leader or helper shines the torch onto the white card for the Joeys to make their shadow puppets in front of it.)

Activity Base 3 (Hands on Experiments with Light and Colour)

Time Allowed: 10 minutes

Equipment Required: (This equipment is critical to the success of the Activity!)

Table, against a wall

Large sheet of White Cardboard or back of Poster

Blu Tack or Masking Tape to secure poster to wall

Bright Torch x 2 (Maglite or LED Torch)

Magnifying Glass

Tissue Paper

Rubber Band

An old picture slide

An ornament (to cast a shadow with)

3D Glasses (or Blue cellophane sheet, doubled up and secured in a small cardboard frame.)

Old CDs or DVDs

Assorted Postage Stamps (choose different colour combinations)

'HeadStream' 1w coupled headlight model no. HLX-2313A (this is critical!), Can be purchased from Jaycar Electronics for \$30 (but we managed to get some on super special for \$15)

Coloured Spotlight Covers (optional, can be replaced with Coloured Cellophane, although the results are not nearly as good), Can also be purchased at Jaycar Electronics.

(Optional):

Old pairs of spectacles, one concave, one convex

2 x small Mirrors

Light stick

Activity Base 3 (Hands on Experiments with Light and Colour)

Activity:

The table is set up against a wall with the white cardboard or poster secured from the centre of the table, starting at the edge of the table upwards. Place all items on the table.

Firstly ask the Joeys this question, (and say 'this is a very tricky question'):

'What is colour made of?'

Let the Joeys give their answers and if the actual answer isn't given then ask them what colours can they see when it is dark? They should then realize that 'light' is what makes colours visible and the correct answer is 'light'

Then ask the Joeys to pick up a CD or DVD and look at it, they should see rainbows appear on the surface of the disk, this is a combination of all the colours that light gives us.

Next ask the Joeys what they think the colour of say a (green) leaf might be if the sun (light source) was Red? Let the Joeys answer, then say, 'Ok, lets find out!' Use the Headstream Torch and set it to Red and shine the beam onto one of the stamps that you have laid out that has green in it. See what happens and discuss it. Try it with blue then green, try it with different stamps, observe the differences.

Then ask the Joeys: 'How many shadows do you have?' (they will answer: One) Then say, 'Ok. What colour is your shadow?' (they will say grey or black) Then say, 'What if I told you that you could have more than one shadow and that they can be green or pink or blue or purple!'

Pick up a bright torch and shine it onto the ornament with the white card as a backdrop, you will create a single black/grey shadow. Now pick up a second torch (or have a Joey do it) and shine it from a different angle onto the same ornament, you now have two black/grey shadows. Then using the coloured spotlight covers, put different colours in front of the torches and observe the results.

Next ask the Joeys, 'What colour do you think is the strongest?' (allow answers) Let's find out:

Pick up the Headstream Torch and set it on Red. Shine the red beam onto the white cardboard. Ask the Joeys one by one in turn (without talking about what they see) to look through the red part only of the 3D glasses. Then keeping the red beam on, ask the Joeys again to look through the blue part of the 3D glasses (if you don't have 3D glasses then just do the second part with the blue cellophane frame) try to make sure that again the Joeys do not 'let the cat out of the bag' about what they see!

Next ask the Joeys if they have ever been to a movie (allow answers), Let's see how that's done! Pick up a bright torch and cover the bulb end with tissue paper using the rubber band. Turn the torch on and shine it towards the white cardboard (this works better in a darker room), then pick up the

slide and place it up-side down over the tissue paper (the light will disappear) next pick up the magnifying glass and hold it between the torch and the white board. (You will need to move it until you find the 'focal point') An image of the slide should appear on the board.

Optional (if time)

Hold the mirrors at approximately 60 degrees from each other and place the ornament inside the two, observe what happens. Now place the mirrors in front of and behind the ornament and look into the mirrors, observe what happens.

Pick up a pair of spectacles and hold them above say a postage stamp, observe what happens (larger or smaller?) then try it with the other pair.

Pick up the light stick, turn it on and wave it back and forth, observe. Look at it through the 3D glasses, observe.

Game: Find The Colour

Equipment Required:

5 Sheets of A4 Coloured Cardboard in

White

Black

Blue

Yellow

Red

Blu Tack or Masking Tape to secure to wall

Game

Time Allowed 5 minutes

Place cards around the Hall above Joeys head height.

Ask the Joeys how many colours do they think could be made from these 5 colours?

(allow answers)

The rules of the game are: The Leader calls out a colour (that is not a single colour from the 5), say 'purple' the Joeys then run to, and stand underneath one of the colours that makes (purple) (red or blue) Continue with different colours, increasing in difficulty (don't forget things like 'dark blue', 'pink', 'light green', etc.), the most difficult colour for my Mob to work out was brown (red, blue and yellow)

Joey Programme: Colours and Light

This programme was run at 2nd St. Ives Joey Mob in May 2008, it was very successful and lots of fun!

The programme works best if you have at least two other Adults attending (Leaders or Parent Helpers) as it is done in 'bases' (3 activities running concurrently, then swapping after 10 minutes at each base)

Base 3 should be led by the JSL, Bases 1 and 2 could easily be run by Parent Helpers, if no other Leaders are available.

It is critical to the programme's success that the 'equipment required' be fulfilled, particularly for Base 3.

As with any other programme, you can change it to suit your own needs, add or remove parts or change the order around.

If you have any questions about any part of the programme, resources, etc. feel free to ask me (Kate Lawrence) kate2266@optusnet.com.au

Enjoy the Programme and have fun!