



The image above is a detail of an artwork by Mark Joyce. It featured in *PRISM: The art and science of light* which was presented in association with [IPIC](#), the Irish Photonic Integration Centre at the [Tyndall Institute](#) at UCC. You can find out more about it here: <http://www.glucksman.org/exhibitions/prism>

This week's **#creativityathome** activities explore colour and light.

### CREATIVE EXPLORATION

Orange is a secondary colour. You can make orange by mixing two primary colours (Red, Blue, Yellow). Which two colours do you use? Try it out with some paints.

Orange is a vibrant colour, often used to attract people's attention in low light or at sea. Can you think of different ways the colour orange is used to catch people's attention?

What orange objects can you find around your home? Can you collect 5 orange items in your house? Take a photo and we'll share it on our social media pages.

### ART ACTIVITY

**MATERIALS:** Paint, washing up liquid, straws, small bowls, paper, tablespoon, glass jars, water, food colouring - red and yellow (natural dye – follow instructions below), wooden sticks.

Today, we are going to explore colour mixing to create an orange bubble painting. Then, we'll have fun with water and food colouring as we make our own water xylophone.

## Activity 1: Bubble Painting

Bubble painting is great fun on the kitchen table or outdoors in your garden or patio. We'll be using bubble painting to understand colour mixing and to create beautiful orange artworks!

Check out our tutorial video for a step by step guide.

Cover your table with newspaper as bubble painting can get a little messy!

Make up two paint mixes - one for yellow and one for red.

Your mix is made by adding two tablespoons of water, one teaspoon of washing up liquid and two tablespoons of paint to a cup.

Stir the paint and bubble solution together using a spoon.

Grab a sheet of paper and place it on the table.

Scoop some of the paint mix on to the paper, then use a straw to blow the bubbly paint around the paper. Do this with both the yellow and red paint mixes and as they mix together you'll start to see lots of shades of orange!

Allow to dry before hanging your bubble paintings somewhere special.

## Activity 2: Water Xylophone

Make your own music! As we're looking at the colour orange today, you can follow our instructions to make an orange water xylophone!

Fill 4 to 5 glass jars or glasses with different amounts of water

More water makes a lower sound, less water a higher sound

Add small amounts of red and yellow food colouring (or natural orange food dye) to each glass

Mix the solution until you have orange water

Try to create different shades of orange for each different glass and each sound

Experiment with adding or removing water and by hitting your stick off different parts of the glass

Time to make some music!

\*If you don't have red or yellow food colouring in your house, then ask a parent or guardian for help finding one of these natural orange food dyes.

Paprika spice

Turmeric spice

Carrot juice

We would love to see what artworks you create. Ask your parents or guardian to share them with us on the Glucksman's and through their [Facebook](#), [Instagram](#) and [Twitter](#) accounts and we will post them to our online galleries on our website.

[www.glucksman.org](http://www.glucksman.org)