

How Many Colours in a Rainbow? Nursery Summer 1

Engage: Printing/art workshop

Events: Making rainbows from a light source and a cup of water, prism, CD etc

Express: End of Topic – children sing to parents, show them our class gallery and do a colourful handprint activity with their grown-ups

UTW: Under Standing the World

CL: Communication and language

PD: Physical development

EAD: Expressive Art and Design

PSED: Personal, Social, Emotional Development

Overview:

How many colours in a rainbow? What happens when you mix red and blue? Explore these questions and more in this project about colours in the natural and man-made world.

Possible lines of enquiry include:

- colour names
- colour mixing
- colours in nature

We are...Scientists. CL, PSED, UTW:

Key Skills and Knowledge:

- Seasonal Changes, Days of the Week
- Explore colours in the environments and be able to describe them.
- Use everyday language to talk about size, weight, capacity, position, and distance, compare and to solve problems.
- Similarities and differences in relation to places, objects, materials and living things
- To use songs and rhymes to help develop understanding of loud, quite, soft, quite etc.

Key Vocabulary: weight, capacity, position, and distance, compare, solve, same, different

We are... Authors and Readers (literacy):

Key Skills and Knowledge: Say the sound that is represented by each letter, or group of letters, 'sound out' words orally, e.g. c-a-t, sh-i-p, s-t-o-p.

Key Vocabulary: Fred Talk, sounds, blending.

Montessori Literacy: Large Movable Alphabet – matching alphabet letters to initial sounds of objects.

Storybooks: **Red Rockets and Rainbow Jelly** by Nick Sharratt, **How Do You Make a Rainbow?** by Caroline Crowe, **Colour Me Happy** by Shen Roddie, **There's A Monster In Your Book** by Tom Fletcher, **Beautiful Oops!** by Barney Saltzberg, **The Mixed Up Chameleon** by Eric Carle.

We are... mathematicians:

Key Skills and Knowledge:

- I can order numbers and quantities up to 10
- I can name 3D shapes linking to geometric solids
- I can find one more and one less
- I can begin to compare two groups of objects.
- I can begin to sequence school life and routines.

Montessori Maths – taught through the year Sandpaper numbers, ordering sandpaper numbers, Number rods with/without number cards, small number rods, spindles, cards and counters, odd and even numbers with cards and counters, introduction to place value and teen numbers.

Key Vocabulary:

Number names 1-10, more, less compare, groups, sphere, cube, cone, before, after, next.

We are... Athletes, Physical Development:

Key Skills and Knowledge: Games and Ball Skills

- Physical:** running, balancing, changing direction, striking/rolling/stopping a ball, throwing at a target, bouncing a ball, dribbling a ball with feet, kicking a ball
- Social:** communication, co-operation, taking turns, supporting and encouraging others
- Emotional:** honesty and fair play, managing emotions, perseverance
- Thinking:** using tactics, decision making

Key Vocabulary: target, aiming, space, body parts, teams.

We are... Understanding the World (Geography):

Key Skills and Knowledge:

- I can use my senses to explore.
- I can talk about what I see

Key Vocabulary: Sun, Rain, Rainbow, Red, Orange, Yellow, Green, Blue, Purple, Pink

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We are... Theologians: Understanding the World (RE): Celebrations

Key Skills and Knowledge: Share about a celebration I have attended.

- Share about the family and community I belong to.
- Make a representation of my family / community

Key Vocabulary: Community.

We are... Coders (Computing): Key Skills and Knowledge:

The skills are not bound within one term but have been laid out separately so the range of skills across Nursery and Reception.

- I can control the forwards, backwards and rotation of a floor robot one step at a time.
- I can program a 3-step route for a floor turtle
- I can predict where a floor robot will end up when given the instructions for a 2 or 3 step route.
- I can plan a route for a floor robot and then carry out these instructions more than one step at a time.
- I can plan a route for a floor robot and then carry out these instructions one step at a time.

Key Vocabulary: concentrating, Enjoying achieving, what they set out to do, Having their own ideas, Making links, Choosing ways to do things.

We are... Expressing Design (DT):

Key Skills and Knowledge:

Making rainbow rice

- I can play with and explore sensory materials
- I can make choices about which colours to use
- I can stir, pour, mix, squish and scoop using my hands and other tools
- I can make changes to materials.

Key Vocabulary: stir, pour, mix, squish and scoop, tool, material, scissors

We are... A Community (PSHE): Key Skills and Knowledge:

- Talk about healthy choices and activities.
- Develop resilience and persistence in their learning.
- Working cooperatively with others when faced with a challenge

Key Vocabulary:

- Food, challenge, practice, water, encourage, exercise, keep trying, sleep, get better at, challenge, energy

We are... Understanding the World (History):

Key Skills and Knowledge:

- I know people celebrate special times in different ways.
- I can talk about things I remember.

Key Vocabulary:

- Birthday, party, cake, presents, cards
- Then, next

We are... Musicians: Key Skills and Knowledge:

•**CL:** Paying attention, develop vocabulary and sing a large repertoire of song

•**PD:** Use large muscle movement in time to music in sequences and patterns

•**Maths:** create repeating patterns

•**EAD:** call and respond, match pitch, sing melodies, create/improvise own songs, play instruments to share feelings

Key Vocabulary: Song, singing, Nursery-rhyme, Beat, Perform, Dance

We are... Expressing Art and Design: Key Skills and Knowledge:

Stain glass windows

- I can use different coloured tissue paper to make a window.
- I can use glue to stick.
- I can begin to rip or tear paper for purpose.

Introduction to pastels

- I can begin to experiment with pastels to draw with.

Collage

- I can begin to Develop a collage
- I can begin to stick different materials together to make a picture.

Memorable experience- Art workshop

- I can create smaller scale Printing.
- I can explore other painting tools for different effects, such as rollers.

Painting

- I can explore colours to represent how I feel.

Colour and colour mixing

- I can begin to name colours
- I can explore colour and colour-mixing using different resources.
- I can sort light and dark colours.

Cotton bud painting

- I can begin to explore painting using cotton buds for different effects.

Key Vocabulary: Colour, red, blue, yellow, orange, green, indigo, violet, paint, mix, match, press, print, change, explore, roll, sponge, spray, light, dark, stick, glue, pastel, tissue paper.