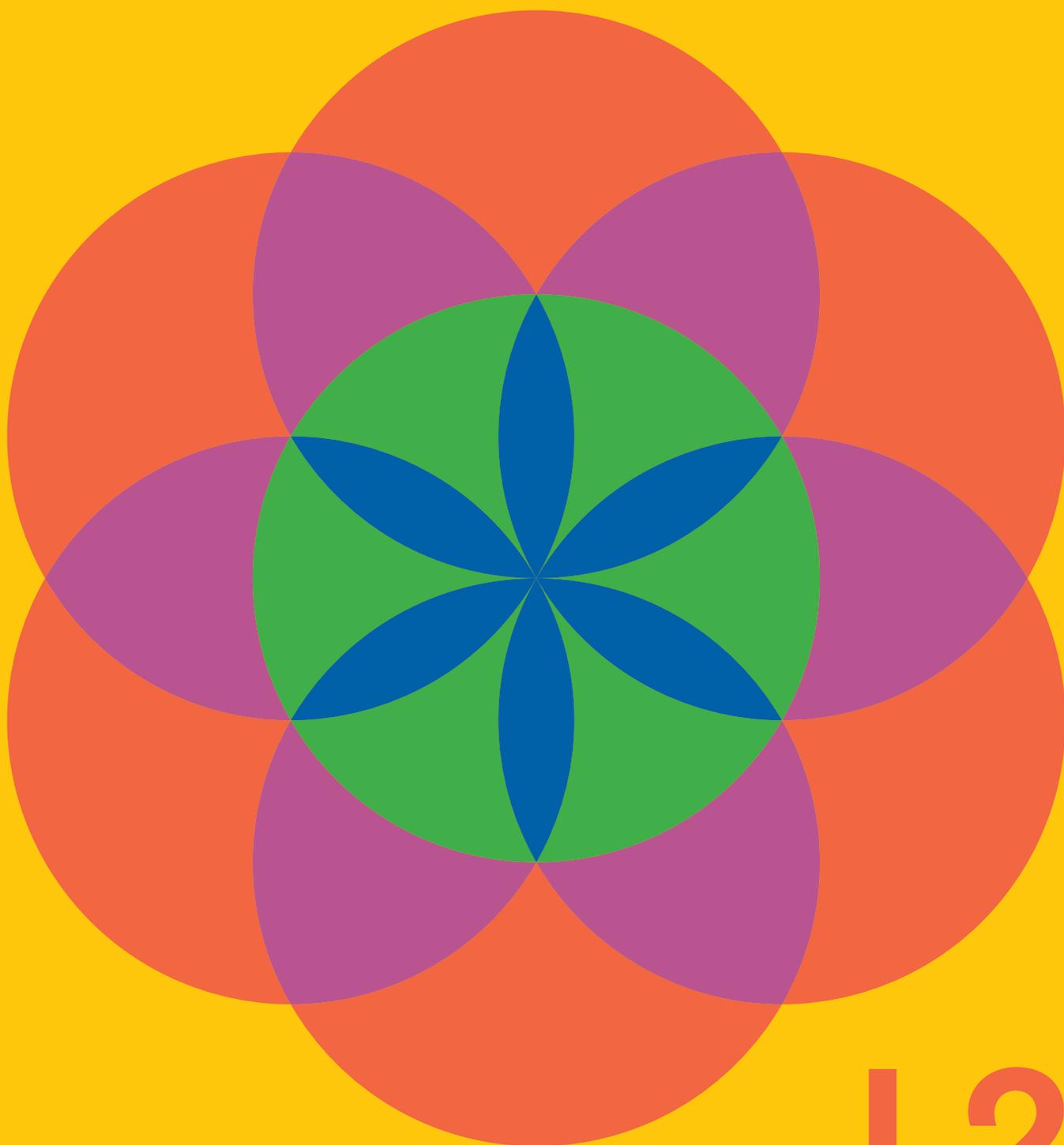


Circle Art

Maths and Visual Arts



L2

**Creativity is not
the possession
of some special
talent. It's about
the willingness
to play.**

John Cleese

Fine motor skills in mathematics can take some time to develop. Whether this activity is a teacher demonstration or hands-on activity, it brings compass and ruler use to the students in a fun and artistic way.

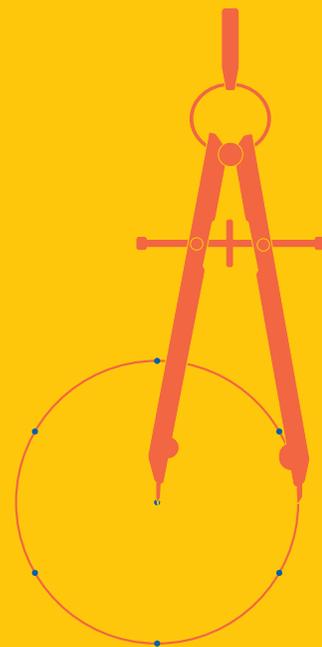
① Discuss the template

Provide students with a template — central point and 60 degree points as reference for compass.

Scaffold the use of the compass. There may have to be some close instruction for those students who are 'not quite there' with their fine motor skills.

② Draw the central circle with the compass

Make sure that the students use the outer points as reference.



Method

3 Draw the outer circles

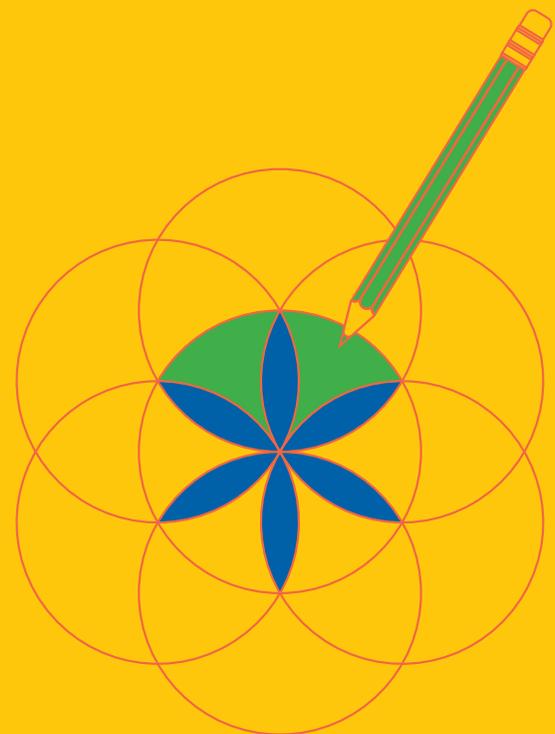
Use edge points as reference to draw the outer circles.

Make sure that the students don't press too hard as the reference lines should be light as not to detract from the eventual colours.



4 Discuss the concepts of complimentary colours with the class

Have the students use their personal colour preferences to colour the segments of the pattern. (Scaffold colour matching/blending if you wish).



5 Display the finished work

Discuss the concept of the "Artist's Statement".

Have the children develop an artist's statement for their work — scaffold talking about their own learning.



Equipment & Materials

Compass

Eraser

Paper

Quality Coloured pencils —
strong and vibrant colours



Prior instruction

Degrees of a circle —
Assessable learning

Use of compass — Physical
development/Fine motor skill
development

Beginning division skills —
learning stored for later

Moods of colour — Class discussion
May link to classroom conversations
around emotions/Hauora in Health
and PE curriculum

Curriculum links

Health and Physical Education

A4 Personal Identity

Identify personal qualities that contribute to a sense of self-worth.

C3 Interpersonal Skills

Express their ideas, needs, wants, and feelings appropriately and listen sensitively to other people and affirm them.

Maths and Stats

Measurement

Create and use appropriate units and devices to measure length, area, volume and capacity, weight (mass), turn (angle), temperature, and time.

Visual Arts

Developing Practical Knowledge

Explore a variety of materials and tools and discover elements and selected principles.

Developing Ideas

Investigate and develop visual ideas in response to a variety of motivations, observation, and imagination.