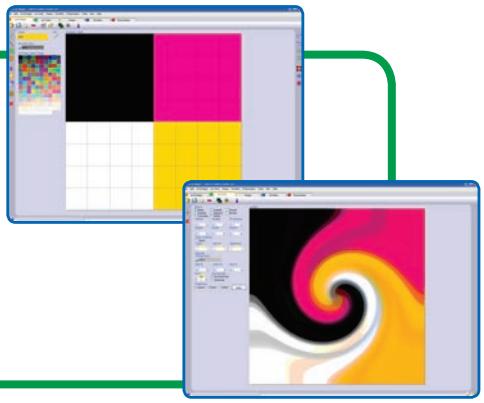
gridmagic art projects
swirly tessellation

3c

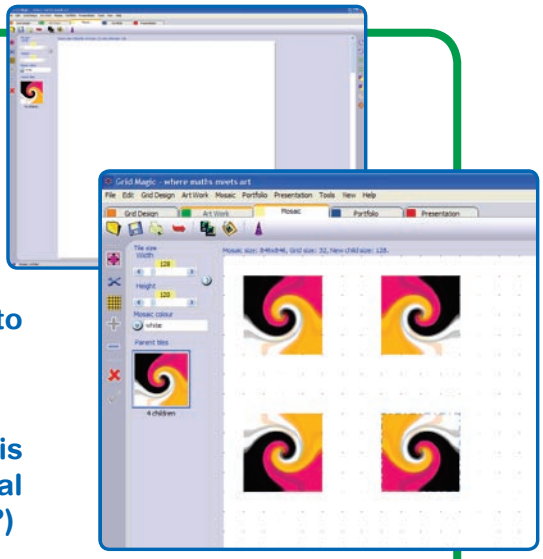
GRID DESIGN / ARTWORK



1. Just as you did with the last swirl projects, start on the 8x8 grid and divide it into 4 quarters, each with a different colour. Send this to Artwork and add a swirl (you can add other image-processing effects, but keep a swirl).

2. Send your swirly design to Mosaic.

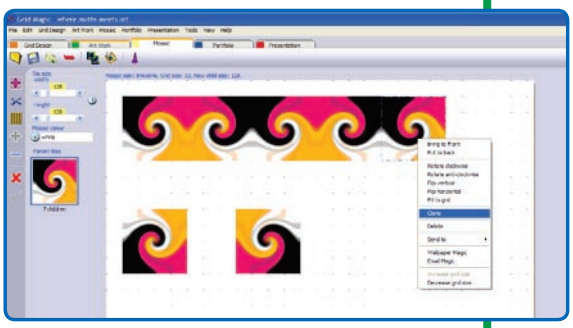
MOSAIC



3. Resize your Mosaic grid to 800x800.

4. Create 4 chiild tiles by dragging the parent tile onto the grid.

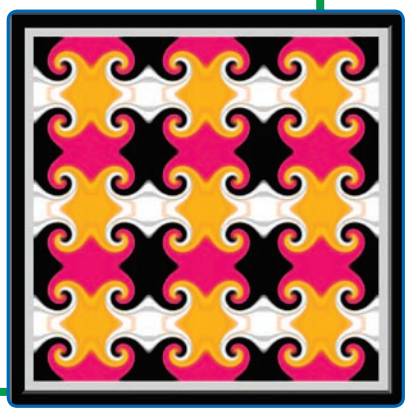
5. Orientate these 4 tiles so the bottom right corner is always nearest the centre. Do this using the horizontal and vertical Reflect Tools. (Why doesn't rotate work?)



6. Using the top 2 tiles, make clones of each one and line them up. (they will automatically snap to grid to help you do this accurately). You need 5 tiles in each row.

7. When you have completed your first row, do exactly the same for your next row.

8. Make clones of your first row to make rows 3 and 5, and clones of your second row to make row 4.



9. Save your Mosaic. Gridmagic will save everything in Mosaic.

10. When you have five rows, crop your design and send it to Presentation for the finishing touches.

gridmagic art projects
teachers notes

3c

Art Project: Swirly Tessellation
Level: Advanced

Maths Skills:
- grid size
- horizontal / vertical reflection
- creating pattern
- tessellations

ICT Skills:
- clone / replicate / duplicate
- snap to grid
- save as

Art Skills:
- tessellations
- Escher
- Islamic Art

Definition: A tessellation is a repeated geometric design that covers a plane without gaps or overlaps.

Progression: Follow this activity with the Level 4c 'Rolled swirl pattern' Art Project.

Grid Size/Shape: The size of the starting grid in Grid Design doesn't matter.

Teaching Points:

- This project builds on 1c and 2c, but it's not necessary to have completed those two projects before doing this one, though pupils should have an appropriate dregree of gridmagic experience with other projects.

- Mosaic. The method shown here to create the design emphasises the logical pattern being followed. The tile design used in this project makes it easy to follow using the tile itself, but in later projects pupils will used more complex tiles where they'll need to know the pattern.

- The final design has 25 tiles in 5 rows and five columns. However, designs such as this are excellent for different print projects, such as making table sets and decorative page borders. See the gridmagic website for Print Projects.

Create design to fit Print settings