



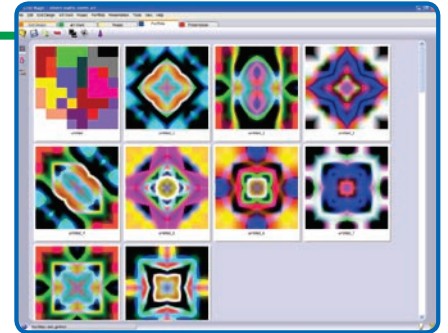
PORTFOLIO



1. Start off by opening your **AdvancedSymmetry.gmport Portfolio** from your folder.



2. Select one of your symmetrical tiles and send it to **Grid Design**.



GRID DESIGN



3. Use the roll tool to move the design around.



4. Use the symmetry tool to re-apply the symmetry.



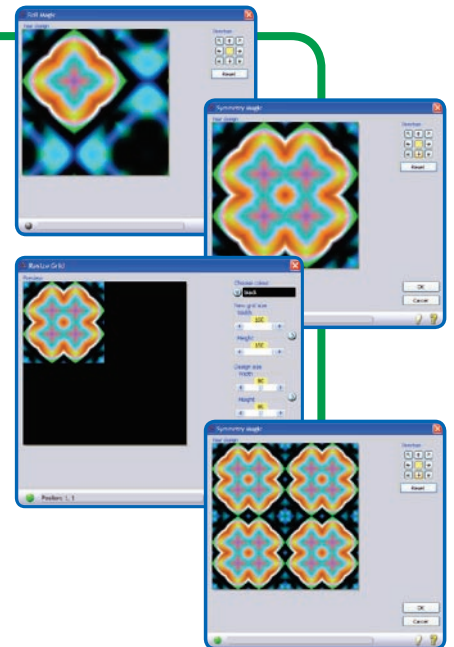
5. Use the resize tool to reduce the size of your **design** (not the **grid size**). Your grid size is 160x160, so to make 4 smaller images, make the design size 80x80. Experiment with other sizes.



6. Use the symmetry tool to re-apply the symmetry.



7. Send your tile to **Artwork**.

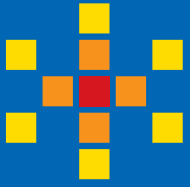


ARTWORK

8. Add image-processing effects that don't destroy the symmetry. To make you design even more sophisticated, send your tile to Grid Design and perform the roll/resize operations again.

9. Finally send your artwork to **Presentation** for the finishing touches.





Art Project: **Sophisticated Symmetry**
Level: **Advanced**

- Maths skills:**
- Reduce size (numeric)
 - Planes of symmetry
 - Diagonal, Vertical & Horizontal

- ICT skills:**
- Send (copy/paste)
 - Roll
 - Resize
 - Save as

- Art skills:**
- Mirrors
 - Reflections
 - Islamic art forms

Definition: Sophisticated: complex and intricate; making use of advanced art.

Progression: Follow this activity with the Level 4g 'Advanced Tessellation' Art Project.

Grid Size & Shape: This Art Project works at maximum resolution the whole way through

Teaching Points:

- This activity builds on the 2g Advanced Symmetry Art Project, so it's necessary to complete that project first.
- Pupils need to complete this activity before doing 4g Advanced Tessellation Art project.
- It's assumed that the pupils are competent at sending work between Artwork and Grid Design and are familiar with the functions of the different image-processing commands and maths operations.