



Developing Mathematical Creativity



Creative mathematicians...

- ask good questions
- link apparently disparate ideas
- notice patterns or structures
- make conjectures
- find new ways to apply familiar techniques
- find common themes
- find new ways to visualise abstractions
- find illustrative examples or analogies
- are not afraid to take risks



Resources

We will create online resources designed to help young people (aged 7-16) develop their mathematical creativity, together with supporting material.



Inspiration

There will be public lectures, videos and other material to show the importance of creativity in mathematics and inspire young people to be mathematically creative



What it's not...

Not about the maths within creative subjects, rather the creativity inherent within the discipline of mathematics

Preliminary ideas

- Environments for creativity – contexts where children can explore and come up with interesting mathematical ideas
- Scaffolding – providing children with models of what it means to be mathematically creative



How you can help

- Talk to me about your own episodes of mathematical creativity
- Share ideas for environments that might stimulate creative episodes
- Register for the NRICH newsletter to hear about the latest developments