

Jill Britton's HOME**Sessions**

Northwest Mathematics Conference
Bellevue, WA
11-12 October 2013

Articles
Escher in the Classroom

Teacher, consultant, author, conference speaker, Jill Britton is deeply interested in the teaching of mathematics.

Jill's experiences include teaching Middle School students summer camps, conducting workshops for elementary students and/or teachers nationwide, and instructing college level students full-time. She just retired as a mathematics instructor at Camosun College in Victoria, British Columbia, Canada.

Jill regards mathematics as the study of patterns and uses symmetry and tessellations, the art of M. C. Escher, polyhedra (unit origami and tetrahedral kites), curves (line designs, conics, cycloids/spirals, curves of constant width, and fractals), and recreational topology to promote an interest in mathematics.

Jill's strong background in teaching forms the basis for the book she has authored which has been intended to be resource material to supplement the curriculum with recreational-focused topics.

In 2009, Jill was the recipient of the ACCC national award for teaching excellence. ACCC features the video by her peers presented at the awards ceremony in Charlottetown.

Comments to:

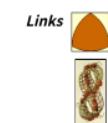
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Just For Fun

Warp Jill Britton
Jill Britton Sliding Puzzle
Jill Britton Jigsaw Puzzle

<https://web.archive.org/web/20161013093010/http://britton.disted.camosun.bc.ca/home.htm>

J:¥ホームからトリヘキサフレクサゴンへのルート.pdf
**Number Patterns
Fun with Curves
& Topology**

A condensation of Jill's article appearing in *M.C. Escher's Legacy: A Centennial Celebration*, the proceedings of the International Escher Congress held in Rome in July 1998 (the centenary of Escher's birth). See Jill's article on her earliest experiences with Escher's art in [Years of Mathematics Teacher](#).

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Investigating Patterns: Symmetry and Tessellations

The Wayback Machine - <https://web.archive.org/web/20161009165159/http://britton.disted.camosun.bc.ca/jbsymteslk.htm>


**Symmetry
and
Tessellations**

This book for Middle School teachers contains hands-on activities - many based on the art of M. C. Escher. Coordinated with a web page of suitable links.

[more information](#)

[NCTM review](#)

[activity links](#)

**Polyhedra
Pastimes**

This book for Middle School teachers contains hands-on activities on polyhedra - from tetrahedron kites to M.C. Escher kaleidocycles. Coordinated with a web page of suitable links.

[more information](#)

[NCTM review](#)



Investigating Patterns

**Symmetry
and
Tessellations**
**ACTIVITY LINKS**

[1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [11](#) [12](#) [13](#) [14](#) [15](#) [16](#) [17](#) [18](#) [19](#) [20](#) [21](#) [22](#) [23](#) [24](#) [25](#) [26](#) [27](#) [28](#) [29](#) [30](#)

These links are coordinated with the chapters and activities of "Investigating Patterns: Symmetry and Tessellations"

[HELP](#)



ACTIVITY 1 (What is Mathematics?)

ACTIVITY 9 (Symmetry and Regular Polygons)

Title: [BBC Education - Revision Bite - Symmetry](#)

Comment: Interactive animated treatment of reflectional and rotational symmetry, including symmetry in regular polygons and other polygonal shapes. Includes classroom exercises.

Title: [Let's Make a Flexagon](#)

Comment: Make a tri-hexa-flexagon that produces six different symmetrical hexagonal patterns. Includes links to a YouTube video of the flexagon in action and to a [flexagon template](#) (requires [Adobe Acrobat Reader](#)).

Title: [Foto-TriHexaFlexagon](#)



Comment: Got a colored printer? This simple flexagon program by Fernando G. Sørensen of Argentina will allow you to create a pictorial trihexaflexagon from three images. Includes detailed instructions (uses Windows 7 Paint or [Ultimate Paint](#)) and a link to a [download](#) of the program file.