2025/11/29 17:46 Jill Britton Home

The Wayback Machine - https://web.archive.org/web/20161013093010/http://britton.disted.camosun.bc.ca:80/home.htm

Jill Britton's HOME

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

Jill's experiences include teaching Middle School students in 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/spirograph, 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 books she has authored. These books are intended to be resource material to supplement the curriculum with recreationally-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:

Jill Britton
Department of Mathematics
Camosun College
3100 Foul Bay Road
Victoria, BC
Canada V8P 5J2
e-mail: JBritton@camosun.bc.ca

Sessions

Northwest Mathematics Conference
Bellevue, WA
11-12 October 2013

Articles

Escher in the Classroom

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 100 Years of Mathematics Teacher.

Links

Number Patterns Fun with Curves & Topology

Selected web pages for educators each leading to recreation-orientated learning experiences for Middle School students.

topic links

R-U-B-B-E-R Geometry

Books

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

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

2025/11/29 17:47 Investigating Patterns: Symmetry and Tessellations

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

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 20 22 23 24 25 27 28 29 30

HELP

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

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. Sörensen 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.