



Math in Nature Series Learning Resource Guide

Online Resources



Fractal Foundation

The mission of the Fractal Foundation is to use the beauty of fractals to inspire interest in science, math, and art. Be sure to check out the pictures section for some brilliant images created by elementary school students.

<http://fractalfoundation.org/>



Nature by Numbers

A beautiful short movie inspired by numbers, geometry, and nature.

<http://www.youtube.com/watch?v=kkGeOWYOFoA>



SymmeToy

SymmeToy is a program for creating paint patterns, symmetry roses, tessellated art and symmetrically decorated 3D polyhedron models.

<http://www.hufsoft.com/software/page4.html>

Books



A Mathematical Mystery Tour: Higher-Thinking Math Tasks by Mark Wahl,
ISBN 0913705268

A graphically alive mystery tour that integrates math into art, science, philosophy, history, social studies, and language arts. The use of the calculator, geometric construction, metric measurement, problem solving, formulating results, and making inferences is woven throughout the book.

Available online at Amazon.com.



Grandfather Tang's Story by Ann Tompert, ISBN 051757487x

A delightful, interactive story told with tangrams. Take a look at the last page for instructions on making your own tangrams at home.

Available at the San Jose Public Library.



Life by the Numbers by Keith Devlin, ISBN 0471240443

In this companion to the PBS series, Devlin reveals the creative and powerful ways in which mathematics is used to explore our world and enhance our lives.

Available at the San Jose Public Library.