

**Context:** The mathematician Jacques Binet discovered that he could obtain each of the terms in the Fibonacci sequence by inserting consecutive numbers into a formula.

### **Academic Standards**

#### **Mid-continent Research for Education and Learning (McREL)**

McREL's Content Knowledge: A Compendium of Standards and Benchmarks for K-12 Education addresses 14 content areas. To view the standards and benchmarks, visit link:  
<http://www.mcrel.org/compendium/browse.asp>

This lesson plan addresses the following national standards:

- Mathematics — Understands and applies basic and advanced properties of the concepts of numbers, Understands and applies basic and advanced properties of the concepts of geometry, Understands the general nature and uses of mathematics

#### **The National Council of Teachers of Mathematics (NCTM)**

The National Council of Teachers of Mathematics (NCTM) has developed national standards to provide guidelines for teaching mathematics. To view the standards online, go to  
<http://standards.nctm.org/>.

This lesson plan addresses the following math standards:

- Algebra
  - Geometry
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### **Support Materials**

Develop custom worksheets, educational puzzles, online quizzes, and more with the free teaching tools offered on the [Discoveryschool.com](http://www.discoveryschool.com) Web site. Create and print support materials, or save them to a Custom Classroom account for future use. To learn more, visit

- <http://school.discovery.com/teachingtools/teachingtools.html>

