



## **Surfing for Math Mavericks**

### **National Standards – Mathematics: Grades 1-6**

- Activity 1 “Gnarly Surfboards”
- Understand patterns, relations, and functions.
  - Recognize, describe, and extend patterns such as sequences of sounds and shapes or simple numeric patterns and translate from one representation to another.
  - Analyze how both repeating and growing patterns are generated.
- Activity 2 “Surf-Off Scores”
- Understand meanings of operations and how they relate to one another.
  - Develop understanding of the relative position and magnitude of whole numbers and of ordinal and cardinal numbers and their connections.
- Activity 3 “Tubular Travels”
- Understand measurable attributes of objects and the units, systems, and processes of measurement.
  - Understand how to measure using nonstandard and standard units.
  - Understand the need for measuring with standard units and become familiar with standard units in the customary and metric system.
- Poster “*Surf's Up* Penguin Profiles”
- Compute fluently and make reasonable estimates.
  - Build new mathematical knowledge through problem solving.
  - Solve problems that arise in mathematics and in other contexts.
  - Apply and adapt a variety of appropriate strategies to solve problems.

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