# Tech-IT - Binary Beads

# Summary

Project

In this project you will use colored beads representing 1's & 0's to create a key ring holder with your initials written in binary.

# Background:

All computers operate on a binary number system. That is a number system that is represented by 0 and 1. In a computer, which is electronic, everything is stored in millions or "switches" which are either "On" or "Off". When the switch is "On" it is represented by a 1. When it is "Off" it is represented by a 0.

There are 10 numbers (0-9) in the number system we use everyday. A number system based on 10 numbers is called a decimal system. The number system based on only 2 numbers (0-1) is called the binary number system.

# Time Frame

1 class periods of 45 minutes each

# Group Size

Small Groups

#### Life Skills

Aesthetics, Thinking & Reasoning, Communication, Systems Thinking

#### **Background for Teachers**

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#### Instructional Procedures

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#### Authors

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