



ROCK AND ROLL MATH

GRADE 2-3

Use natural objects such as rocks to practice your math skills!

WHAT YOU'LL LEARN:

- Concept of place value
- How to relate mathematical concepts with the natural environment

CURRICULUM OUTCOMES:

- Understand that the three digits of a three-digit number represent amounts of hundreds, tens and ones.
- Students will be expected to illustrate, concretely and pictorially, the meaning of place value for numerals to 100

MATERIALS:

- Rocks and dice to work on the place value
- 3 dice, per child
- Tray with three compartments per child/ simply write 'Hundreds', 'Tens', 'Ones' on three pieces of paper per child

This is an individual indoor/outdoor activity, it can be done in outdoor spaces of the school, home, backyard, or nearby parks/trails



(Picture taken from cofecupandcrayons.com)

WHAT TO DO:

1. Spread the rocks out on the table
2. Demonstrate to the class the activity
 - a. Roll all the dice at once
 - b. Let the student count the numbers on the dice and decide which number to assign to each place value
3. They can count the rocks and place them in the correct compartment or in front of the piece of paper
4. Once all rocks are placed in the right position, ask the students to name the value for hundreds, tens and ones.

ASSESSMENT:

- Able to assign the meaning of ones, tens, and hundreds by computing the value after rolling the dice
- Able to write and verbally state the number derived

EXTENSION:

- Encourage students to name ten more, one hundred more, ten less, one hundred less for the number they have rolled.

CREDIT/REFERENCES:

This activity has been modified from the cofecupandcrayons.com that was developed by Colleen Sugarauts.