

Project Ramp Curriculum- Lesson Plan July 25, 2015

Mentors arrive at 9:30am

- **Circle Up 10:00am- 10:10am**

Introductions:

Mentors and students give a brief introduction about themselves.

Name, age & what you want to be when you grow up

Objectives:

Students and mentors will familiarize themselves with their peers before the day starts.

- **Math 10:10- 10:50am**

Ages: 5-7

Kindergarten (5)- Counting& Number Patterns

First Grade (6)- Addition, Subtraction, Measurements & Time

Second Grade (7)- Addition, Subtraction, Estimation, Fractions & Money

Ages: 8-10

Third Grade (8)- Mixed Operations, Geometry, Place Values, Multiplication

Fourth Grade (9)- Multiplication, Division, Geometry, Word Problems

Fifth Grade (10)- Decimals, Ratio, Proportions, Multiplying & Dividing Fractions

Ages: 11-13

Sixth Grade (11)-Ratio, Proportions, & Sequences, Mixed Operations

Seventh Grade (12)- Fractions & Mixed numbers, Linear Functions, Probability

Eighth Grade (13)- Exponents & Square Roots, Statistics, Variable Expressions

Agenda: Worksheets and packets will be provided based on each student's grade level. These worksheets will range from word problems involving time and money, geometry, and algebra.

Objectives:

Each mentor will tutor 1-2 student(s). Through this strategy, mentors will be able to dedicate their time and attention meeting each student's specific learning needs. Children will have fewer distractions rather than trying to focus in a classroom setting. The one-on-one structure of private tutoring can also facilitate a mentor-protégé relationship, which can be a huge motivation for some students and also improve comprehension and retention of information

- **Snacks & Recess 10:50-11:05am**

Breaks are encouraged to relieve students from overworking. Healthy snacks will be provided energy to help students endure the rest of the courses ahead. Recess is an opportunity for students to not only engage in physical activity, but also to learn about and build their character, develop cooperation skills and practice social interaction.

- **Sciences& Writing 11:05-11:45am**

Ages: 5-7

Kindergarten (5)- Making Ice Cream in a Bag

First Grade (6)- Making Ice Cream in a Bag

Second Grade (7)- Making Ice Cream in a Bag

Ages: 8-10

Third Grade (8)- Making Ice Cream in a Bag

Fourth Grade (9)- Making Ice Cream in a Bag

Fifth Grade (10)- Making Ice Cream in a Bag

Ages: 11-13

Sixth Grade (11)- Making Ice Cream in a Bag

Seventh Grade (12)- Making Ice Cream in a Bag

Eighth Grade (13)- Making Ice Cream in a Bag

Agenda:

Understanding the different physical properties of solid, liquid, and gas. Also, this would be a great summer science snack for the children. Ingredients and Directions:

INGREDIENTS

Nutrition

DIRECTIONS

SERVINGS 1	UNITS US
½ cup half-and-half	
1 tablespoon sugar	
¼ teaspoon vanilla	
1 sandwich ziploc bag	
1 gallon ziploc bag	
3 cups crushed ice	
½ cup rock salt	

Put first 3 ingredients in the smaller Ziplock bag and seal bag (Make sure it is tightly closed!). Put ice and rock salt in the larger bag and then add the filled small bag. Seal the large bag.

Squeeze bag until ice cream is thickened, about 10-15 minutes.

Remove small bag, unseal, and eat with spoon.

No need to even dirty a bowl!

• **Break& Transition 11:45-11:50am**

Bathroom & water breaks will be held during this time. This passing period will also allow mentors to prepare for the next curriculum. Students will be required to stay in their classroom.

• **Physical Exercise 11:50-12:50pm**

Activity: Free Play

Soccer & Basketball

Objective:

Physical activity has been proven to reduce the risk of various diseases, improve test scores, and build self-esteem in children. Equipment will be provided to allow children to engage in team-building sports and activities to further develop their interpersonal skills.

- **Conclusion 12:50-1:00pm**

Closing Circle:

Mentors and students will gather and discuss what they learned and what they liked about the program.