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| **Lesson Plan** | | Teachers:  Maggie Morales | | | Day # 4 | | |
| Mathematics Common Core Standards Addressed:   * 1.MD.4. Organize, represent, and interpret data with up to three categories; ask and answer questions about the total number of data points, how many in each category, and how many more or less are in one category than in another.   Mathematical Practices Addressed:   * Reason abstractly and quantitatively. * Construct viable arguments and critique the reasoning of others   Science Standards Addressed:   |  |  | | --- | --- | | |  | | --- | | [**NS.K-4.1**](http://www.educationworld.com/standards/national/toc/index.shtml#numbers)**SCIENCE AS INQUIRY** | |   **As a result of activities in grades K-4, all students should develop**   * Abilities necessary to do scientific inquiry * Understanding about scientific inquiry | | | | Students will engage in:   * Independent practice * Small group work * Project work * Other:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | * Partner work * Whole group * Centers   \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **Time** | **Teachers Role** | | **What are students doing?** | | |  | **Materials** |
| 3-5 minutes | Launch:  Before going to the Bronx Zoo the teacher will explain in details what she expects from each student.  Questions to ask:  1. What will we see at the Bronx Zoo?  2. Can each of you name some mammals that you think you will see at the Bronx Zoo?  3. Can each of you name some reptiles that you think you will see at the Bronx Zoo? | | Students are also involved in the following conversation. They will express what they believe should be expected by them behavior wise and academically. Students will also discuss what they believe they will see at the Bronx Zoo. | | | | * White board * Dry erase marker. |
| 5-7 minutes | Review/ Connections to prior knowledge:  Teachers will review the difference and similarities between mammals versus reptiles.  Questions to ask:  1. How many mammals versus reptiles do you believe you will see at the Bronx Zoo?  2. How many animals of each kind do you believe you will find at the Bronx Zoo?  3. What are some of the differences and similarities between mammals and reptiles? | | Students will be taking turns answering questions asked by the teacher. They will then proceed by guessing how many mammals versus reptiles there are at the Bronx Zoo. | | | | * White board * Dry erase marker. |
| 7-10 minutes | Explore/Learning Activity:  Teachers will have her class gather around as a group and she will re-tell what she is expecting from all her students. After that the teacher will then proceed and give each student the chart of mammals and reptiles.  Questions to ask:  1. Can anyone of you tell me what we spoke about in the classroom before we left?  2. Can anyone tell me how do we use these charts?  3. Do we complete one chart or both charts? | | The students will gather around to discuss what the teacher is expecting from them academically and behavior wise. After each student will receive two charts two be filled out by the student as they travel on foot around the Bronx Zoo. | | | | * Charts * Pencil * Pens * Crayons * Clip Board |
| 7-10 minutes | Potential Independent Practice:  At the end of the trip teachers will gather the students and give them an opportunity to finish collecting their thoughts and data independently. Teachers will go around asking questions in order to help their students enhance their ideas.  Questions to ask:  1. How many lions did you see?  2. How many snakes did you see?  3. Did you see any differences and similarities? | | Students will gather all the data they have so far collected from the Bronx Zoo and they will jot down some differences and similarities on a looseleaf paper. | | | | * Charts * Pencil * Pens * Crayons * Clip Board * Looseleaf Paper |
| 5-7 minutes | Summary/Closure:  When the teachers and students get back to school they will gather around as a group to discuss their experiences at the Bronx Zoo.  Questions to ask:  1. Can you tell me some of the animals we observed at the Bronx Zoo?  2. Can you tell me some of the similarities and differences of some of the animals?  3. Did you like the mammals or the Reptiles? | | Students will be given a chance to talk amongst each other about their experience at the Bronx Zoo then they will gather as a group to discuss their thoughts and ideas. | | | | * White board * Dry erase marker. |