Community Unit: Numeracy

# Numeracy Goals

|  |  |  |  |
| --- | --- | --- | --- |
| Goal | Easy | So-So | Hard |
| I want to be able to read store hours. |  |  |  |
| I want to be able to read maps. |  |  |  |
| I want to be able to tally a vote. |  |  |  |

# Goal 1: Store Hours

|  |  |  |
| --- | --- | --- |
| Levels of Knowing | Activity/Objective | Materials/Worksheets |
| **Intuitive** | SWBAT to count how many pennies. | Pennies |
| **Concrete** | SWBAT to group pennies and match to a nickel. SWBAT create a clock out of nickels. | Nickels, clock worksheet. |
| **Pictoral** | SWBAT draw the minute hand on a clock for a given time | Clock worksheet |
| **Abstract** | SWBAT write the time for a given clock | Clock worksheet  <http://www.math-aids.com/Time/Telling_Time_Hands.html> |
| **Application** | SWBAT read a time on a store hours sign and match to a given clock. | Hours sign matching worksheet |
| **Communication** | SWBAT ask/answer “What time is it?” | Dialogue worksheet |

# Goal 2: Maps

|  |  |  |
| --- | --- | --- |
| Levels of Knowing | Activity/Objective | Materials/Worksheets |
| **Intuitive** | SWBAT talk about the neighborhood. | Neighborhood walk |
| **Concrete** | SWBAT count the number of blocks they walked. | Neighborhood walk |
| **Pictoral** | SWBAT place landmarks on appropriate blocks on the map. | Map of University Ave., location blocks or post-its |
| **Abstract** | SWBAT count the number of blocks between landmarks on a map. | Map of University Ave. |
| **Application** | SWBAT answer questions about how many blocks and give directions about how many blocks between locations. | Map of University Ave, wkst. |
| **Communication** | SWBAT answer/ask,  “How many blocks to \_\_\_\_\_\_?” | Dialogue worksheet |

# Goal 3: Tally a Vote

|  |  |  |
| --- | --- | --- |
| Levels of Knowing | Activity/Objective | Materials/Worksheets |
| **Intuitive** | SWBAT count the number of sticks. | Popsicle sticks |
| **Concrete** | SWBAT group sticks into groups of 5. | Popsicle sticks |
| **Pictoral** | SWBAT represent a number with tally marks. | Worksheet |
| **Abstract** | SWBAT match tally marks with a given number. | Worksheet |
| **Application** | SWBAT represent the number of votes for a given candidate in tally marks. | Vote for class president |
| **Communication** | SWBAT ask/answer “How many votes does \_\_\_\_\_ have?” | Dialogue worksheet, post-it note graph |