Transportation Unit: Numeracy

# Numeracy Goals

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| Goal | Easy | So-So | Hard |
| I want to be able to find my bus number. |  |  |  |
| I want to be able to find what time my bus is coming. |  |  |  |
| I want to be able to count the correct fare in coins. |  |  |  |

# Goal 1: Bus Number

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| Levels of Knowing | Activity/Objective | Materials/Worksheets |
| **Intuitive** | SWBAT match a number of blocks to the spoken number. | Base 10 blocks. |
| **Concrete** | SWBAT separate blocks into groups of ten and ones. Put them in the correct column. | Base 10 blocks, Place value mats |
| **Pictoral** | SWBAT draw the base 10 blocks in the correct columns to represent a number. | worksheet |
| **Abstract** | SWBAT write the number represented by base 10 blocks. | worksheethttp://www.math-aids.com/Place\_Value/Base\_10\_Blocks.html |
| **Application**  | SWBAT match a number to the number on a bus. | CASAS style worksheet |
| **Communication** | SWBAT identify the bus number spoken by a partner. | dialogue |

# Goal 2: Bus Schedule

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| --- | --- | --- |
| Levels of Knowing | Activity/Objective | Materials/Worksheets |
| **Intuitive** | SWBAT discuss what time they get on the bus or school van. What happens when you’re late? | Picture prompts |
| **Concrete** | SWBAT label a model or photo of a bus route.  | model/photo |
| **Pictoral** | SWBAT draw a map of the bus route. | paper to draw on.  |
| **Abstract** | SWBAT label a map of the bus route. | map of the bus route |
| **Application**  | SWBAT read a bus schedule. | !6 route schedule |
| **Communication** | SWBAT ask/answer what time does the bus come? | Information gap Dialogue/bus schedule |

# Goal 3: Bus Fare

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| Levels of Knowing | Activity/Objective | Materials/Worksheets |
| **Intuitive** | SWBAT count the number of pennies. | pennies |
| **Concrete** | SWBAT demonstrate that 25 pennies and 1 quarter are the same. | pennies, quarters |
| **Pictoral** | SWBAT draw the correct number of quarters for a certain amount. | worksheet |
| **Abstract** | SWBAT write the amount of money for a given number of quarters. | worksheet |
| **Application** | SWBAT produce the correct number of quarters for the bus fare listed. | bus fare price list |
| **Communication** | SWBAT ask/answer, “How much is the fare?” | dialogue |