**Mathematics Standards-Based Lesson Plan Blueprint**

Infusing 21st century mathematics process skills for students and learning strategies for educators

**Subject:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Duration:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Standard(s) (including Essential Knowledge and skills):** (underline the verbs)

**Essential Vocabulary (including Prior Knowledge Vocabulary):**

**Materials needed:**

**Student Process Skills being addressed: (circle the skills that apply)**

**Problem Solving Communication Reasoning**

**Connections Representations Strategic use of Tools**

**Assessment/Expected Outcomes:** (As a result of this lesson what will students be able to do/demonstrate..? What will be accepted as evidence? Assessments should match the level of thinking of the objective (the verbs)).

|  |  |
| --- | --- |
| * Student self-assessment | * Short written response |
| * Performance tasks | * Teacher observation |
| * Oral reports * RAFT | * Demonstration * Rubric Provided |
| * Essays | * Free Response |
| * Forced choice | * Other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

**Procedures/Lesson Overview** (Specify the steps of the lesson presentation)

**NOTE: Include *at least one* kinesthetic activity in your lesson plan.**

**Creating an Environment for Learning: (**Activate prior knowledge. Provide background information. How will students be hooked?

|  |  |
| --- | --- |
| * Set objectives | * Cooperative Learning |
| * Provide feedback | * Identify similarities and differences |
| * Reinforcing Effort | * Providing Recognition |

**Helping Students Develop Understanding:** (What strategies and activities will be used to support the learning objectives? How will students receive feedback on their understanding and progress?)

|  |  |
| --- | --- |
| * Nonlinguistic representations | * Cooperative learning |
| * Summarizing and note taking | * Identify similarities and differences |
| * Questions, cues, advance organizers | * Assigning Homework and Providing Practice |

**Helping Students Extend and Apply Knowledge:** (Tie new knowledge to existing knowledge and future knowledge. ***Reflect***. ***Evaluate. Think. Create.***)

|  |
| --- |
| * Identifying Similarities and Differences |
| * Generating and testing Hypotheses |
| * Evaluate |
| * Self-assessment |
| * Summarizing and Note Taking |

**Additional Notes:**