**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:**