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| **Grade** | **Content Areas Being Integrated**  |
| **8th**  | **Physical Science** |

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|  | **Arts Discipline** | **Other Content Area** |
| **Standards****Addressed in the Integrated Lesson/Activity** | 1.1 Demonstrate increased ability and skill to apply the elements of space, time, and force/energy in producing a wide range of dance sequences.  | 3d- Students know the states of matter (solid, liquid, gas)depend of molecular motion. |
| **Student Objectives in Each Discipline** | Participate in cooperative locomotor activity. | Differentiate between molecular motions in phases of matter. |

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| **Integrated Student Objective** | ***What is the objective of the integrated activity? Look at connections being made between the two content areas. Work collaboratively, actively participate, listen to one another, and speak to be heard.*** |
| **Essential Question** | ***What is the question you want the students to be able to answer at the end of this lesson?*** ***Identify and describe molecular motion in the three states of matter?*** |

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| **Materials/Resources** |
| Phases of matter graph, notes, energy. |

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| **Lesson/Activity Description** |
| * Instruct students on the day’s objective. Describe class activities.
* Review locomotor techniques and review vocabulary.
* Review rules/norms.
* Phases of matter will be introduced as a whole class locomotion activity.
* Each phase of matter will be explained using different types of locomotor movements.
* Phases of matter changes using locomotor movements will be demonstrated as a class first.
* Phases of matter changes using locomotor movement using the concept of temperature changes will be practiced as a class.
* Students will be divided into smaller groups of six. Groups will be subdivided in groups of two to represent each phase of matter.
* Teacher will ask students to incorporate their phase of matter using a locomotor movement of their choice to represent a phase change.
* Students will perform the phases of matter with their groups to the whole class. After each group performs, all other groups will imitate the performance to reinforce the concepts learned.
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