

## **The Be the Atom Lesson**

**Aim:** to integrate dramatic art, vocabulary enrichment, chemistry, community,

**Materials:** A periodic table and room to move

### **Key Points:**

- Review of atomic structure, atomic number, and the connections between them.
- Use the Periodic Table of Elements to choose what element to “be”
- Vocabulary enrichment: protons, neutrons, electrons, orbitals, atomic number, atomic mass
- Divide class in to three equal groups (we use a sock monkey or two to act as an additional player, if needed). 1s are neutrons and 2s are proton partners. They must link arms in the middle and wiggle slightly during performance. 3s are electrons. Fill orbitals as appropriate. Keep students at equal distances across the atom.
- Create shared experience
- Build community through partner coordination and group work
- Perform the element chosen. Electrons run around the atom and protons and neutrons wiggle slightly.
- Rotate positions and perform it three times.

### **Extension:**

- Demonstrate the unsettled nature of ions.
- With multiple rooms, or large numbers, demonstrate molecule formation.

## Characters with Character

Alertness vs. Carelessness  
Attentiveness vs. Distraction  
Availability vs. Self-Centeredness  
Benevolence vs. Selfishness  
Boldness vs. Fearfulness  
Cautiousness vs. Rashness  
Compassion vs. Indifference  
Contentment vs. Covetousness  
Creativity vs. Underachievement  
Decisiveness vs. Procrastination  
Deference vs. Rudeness  
Dependability vs. Inconsistency  
Determination vs. Faintheartedness  
Diligence vs. Slothfulness  
Discernment vs. Shortsightedness  
Endurance vs. Discouragement  
Enthusiasm vs. Apathy  
Faith vs. Presumption  
Flexibility vs. Resistance  
Forgiveness vs. Rejection  
Generosity vs. Stinginess  
Gentleness vs. Harshness  
Gratefulness vs. Unthankfulness  
Honor vs. Disrespect  
Hospitality vs. Loneliness  
Humility vs. Pride  
Initiative vs. Idleness  
Joyfulness vs. Self-Pity  
Justice vs. Corruption  
Loyalty vs. Unfaithfulness  
Meekness vs. Anger  
Obedience vs. Willfulness  
Orderliness vs. Confusion  
Patience vs. Restlessness  
Persuasiveness vs. Contentiousness  
Punctuality vs. Tardiness  
Resourcefulness vs. Wastefulness  
Responsibility vs. Unreliability  
Security vs. Anxiety  
Self-Control vs. Self-Indulgence  
Sensitivity vs. Callousness  
Sincerity vs. Hypocrisy  
Thoroughness vs. Incompleteness  
Thriftiness vs. Extravagance  
Tolerance vs. Prejudice  
Truthfulness vs. Deception  
Virtue vs. Impurity  
Wisdom vs. Foolishness