

## Teacher's Notes For Middle School Mixtures

### Sequence of Activities:

| Number | Name  | Type of Activity                                     | Basic Rationale   | In Class Time |
|--------|---|--|---|---------------|
| 1      | Separate a mixture                                  | Laboratory   | Elicit student ideas about mixtures, begin to establish patterns about types of mixtures.   | 50 minutes    |
| 2      | Powers of 10 video and Zooming In and Out Worksheet | Video, student worksheet, class discussion           | Students will gain an understanding of the scale of objects.  | 60 minutes    |
| 3      | Powers of 10 Poster                                 | Student group discussions and Whole class discussion | Students discuss where certain items would be placed on a poster displaying the Powers of 10. This helps them get a visual of the scale of objects. | 30 minutes    |
| 4      | Solutions Bead Lab                                  | Whole Class discussion, Laboratory activity          | This activity helps students visualize how substances dissolve in solutions at the molecular level  | 40 minutes    |
| 5      | Solutions and Suspensions                           | Whole class discussion, Laboratory activity          | This lab allows students to establish patterns that will lead them to identification of the different types of mixtures.                            | 80 minutes    |