**Science Masterpiece**

5th Grade – 2nd Quarter

Experiment 9: Mixtures and Solutions

What is a Solution?

Thank you for volunteering to teach the students a Science Masterpiece Lesson!

Please coordinate with your teacher on a day and time, it is flexible and should be convenient for both of you. The lesson should take about 1 hour of your time in the kid’s classroom.

Review the laminated Experiment Guide. Not all parts of the Guide are utilized.

Review the PowerPoint presentation provided. There is a YouTube video embedded into the presentation. Please be mindful of any ads that may pop up, unfortunately we cannot control that. To make the video play, please remind the teachers to download the video in PowerPoint and click “Enable Editing” and then “Enable Content”.

**Please email the teacher with your final PowerPoint before your scheduled time.**

Everything you need for Science Masterpiece are in specific labeled plastic tubs. The tubs can be found in the work room (front desk can direct you), on the top shelf, labeled by grade.

After you have finished teaching the Science Masterpiece Lesson, please ensure to pack everything back into the tub so the next class can use it.

Important Notes:

There are 36 plastic cups, which is enough for 12 groups (2 kids per group).

Measure out a ¼ cup of oil, ¼ of tea, and ¼ cup of water into the 3 different cups.

Start with a teaspoon of salt for the water and the oil, stir and wait 2 minutes. Observe the mixtures, add more salt as needed. Then repeat the salt step with the tea and observe. Document findings on the form.

When the experiment is complete, use the funnel to pour the salt/oil mixture back into the oil bottle. Please do not pour the oil down the drain. Once finished, put the lid on the oil bottle and throw it away in the garbage. The cups with the water and tea can be throw out as well.

If you have any questions, please contact the Science Masterpiece Team at [DMEscience@gmail.com](mailto:DMEscience@gmail.com).

If you are unable to make your schedule time, please let us know.

Thank You and Have Fun!

Science Masterpiece Team!