Science 8 – Mix and Flow of Matter

| Outcome | Activity title / description | Notes | Non- Consumable materials | Consumable materials | School provided materials |
|---------|--|-----------------|--|--|---------------------------|
| 1 | | | | | |
| 2 | Paper Chromatography | See SA 8 p. 22 | 250 mL beaker | Coffee filters, Water soluble markers, insoluble marker | |
| 2 | Saturated and Unsaturated Solutions | See SA 8, p. 26 | 100 mL graduated cylinder, 250 mL beaker, balance, scoopula | Water,unknown (sodium nitrate)sample, sugar, salt, popwdered drink crystals | |
| 2 | Factors Affecting the Rate of Solubility | See SA 8, p. 30 | 8 – 150 mL beakers, scoopula, stir sticks, safety mitts, stopwatch, kettle or hotplate. | Sugar cubes, powdered sugar, masking tape, water | |
| 2 | Drink Powder Solubility | | | | |
| | Coke Distillation | | | | |
| 3 | Calculating the Density of Various fluids | | Balance, 100 mL graduated cylinder | Water, antifreeze, veg oil, ethanol, glycerine. | |
| 3 | Density of solids | | Solid objects – marble, penny, dice, plastic spoon, rubber stopper, cork stopper, etc., balance, 100 mL graduated cylinder | water | ruler |

| 3 | Compressing Fluids | See SA 8 , p. 54 | Rod , base and support stand, 2 utility clamps, 250 mL beaker Modified 50 mL syringes with platform and rubber stopper, various weights | Water | |
|---|----------------------|--|---|--|---|
| 3 | Comparing flow rates | | support stand, ring clamp, 2- 250mL beakers, funnel, timer, thermometer, hot plate | Corn syrup, vegetable oil, glycerol, water | |
| 4 | Egg Carton Monsters | Activity found at: http://vicki-dennison.suite101.com/spooky-sciencehydraulic-egg-box-monsters-a392786 | | Egg cartons, plastic syringes, rubber tubing, food coloring, craft materials | Scissors, glue, colored paper and craft materials |
| | | | | | |
| | | | | | |