**Let’s Talk Science: Outreach**

**867-334-2436**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Grade | Subject | Big Ideas | Curricular Competencies | Content | Workshop & Notes |
| 5 | Science | Solutions are homogeneous. | Planning and conducting:  Observe, measure, and record data, using appropriate tools, including digital technologies  Processing and analyzing data and information:  Use equipment and materials safely, identifying potential risks.  Evaluating:  Demonstrate an understanding and appreciation of evidence. | Solutions and solubility | Crime Lab  Students hone their investigative skills by working in teams, collecting data, identifying patterns and analyzing results to solve a mystery. Techniques include chromatography, fingerprinting and chemical analysis.  **Topics:** Chromatography, Fingerprinting, Chemistry, Data Analysis, Problem Solving, Teamwork, Critical Thinking  **Time**: 1.5-2 hours |
| 6 | Science | Everyday materials are often mixtures. | Planning and conducting: Observe, measure, and record data, using appropriate tools, including digital technologies.  Processing and analyzing data and information: Use equipment and materials safely, identifying potential risks.  Evaluating: Demonstrate an understanding and appreciation of evidence. | Mixtures: separated using a difference in component properties |

**mkdowning7@gmail.com**