

**SEPUP Professional Development  
2007-2008 Academic Year  
Level I Users Course**

| <b>Class</b> | <b>Date</b>   | <b>Location</b>   | <b>Hours/<br/>Time</b> | <b>Presenters</b> | <b>Topics</b>   | <b>Funding</b> |
|--------------|---|-------------------|------------------------|-------------------|---|----------------|
| 1            | Summer – July 23, 2007<br><br>OR<br><br>Summer – August 6, 2007 | Loyola University | 5.5/8:30-2:45pm        | LU, CPS, SEPUP    | 7 <sup>th</sup> grade – <b>Quarter 1 Enactment</b><br><ul style="list-style-type: none"> <li>- Introduction to Instructional Materials</li> <li>- Studying People Scientifically</li> <li>- Scientific Method</li> <li>- Experimental design in the life sciences</li> <li>- Strategies <ul style="list-style-type: none"> <li>- Classroom &amp; material management</li> <li>- Literacy Strategies</li> <li>- Pacing</li> <li>- Journaling</li> <li>- Assessment</li> </ul> </li> </ul>                                    | LU             |
| 2            | Summer – July 24, 2007<br><br>OR<br><br>Summer – August 7, 2007 | Loyola University | 5.5/8:30-2:45pm        | LU, CPS, SEPUP    | 7 <sup>th</sup> grade - <b>Quarter 1 Enactment</b><br><ul style="list-style-type: none"> <li>- Studying People Scientifically</li> <li>- Scientific Method</li> <li>- Experimental design in the life sciences</li> <li>- Strategies <ul style="list-style-type: none"> <li>- Classroom &amp; material management</li> <li>- Literacy Strategies</li> <li>- Pacing</li> <li>- Journaling</li> <li>- Assessment</li> </ul> </li> </ul>   | LU             |
| 3            | Summer – July 25, 2007<br><br>OR<br><br>Summer – August 8, 2007 | Loyola University | 3/8:30-11:30am         | LU, CPS, SEPUP    | 7 <sup>th</sup> grade - <b>Quarter 1 Enactment</b><br><ul style="list-style-type: none"> <li>- Micro-Life <ul style="list-style-type: none"> <li>- Study of microbiology, cell size, structure, function and permeability</li> <li>- Systems of classification</li> <li>- Study of the function of the immune system</li> <li>- Study of the growth of antibiotic-resistant organisms</li> </ul> </li> <li>- Strategies <ul style="list-style-type: none"> <li>- Classroom &amp; material management</li> </ul> </li> </ul> | LU             |

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|   |  |                   |                 |                | <ul style="list-style-type: none"> <li>- Literacy Strategies</li> <li>- Pacing</li> <li>- Journaling</li> <li>- Assessment</li> </ul>   |    |
| 1 | <p>Summer – July 25, 2007</p> <p style="text-align: center;">OR</p> <p>Summer – August 8, 2007</p> | Loyola University | 3/12:00-2:45pm  | LU, CPS, SEPUP | <p><b>8<sup>th</sup> grade – Quarter 1 Enactment</b></p> <ul style="list-style-type: none"> <li>- Introduction to Instructional Materials</li> <li>- Water <ul style="list-style-type: none"> <li>- Study of solutions, concentrations, acid-base interactions, chemical reactions</li> <li>- Risk assessment and toxicity</li> <li>- Water chlorination</li> <li>- Water quality</li> <li>- Groundwater contamination</li> </ul> </li> <li>- Strategies <ul style="list-style-type: none"> <li>- Classroom &amp; material management</li> <li>- Literacy Strategies</li> <li>- Pacing</li> <li>- Journaling</li> <li>- Assessment</li> </ul> </li> </ul> | LU |
| 2 | <p>Summer – July 26, 2007</p> <p style="text-align: center;">OR</p> <p>Summer – August 9, 2007</p> | Loyola University | 5.5/8:30-2:45pm | LU, CPS, SEPUP | <p><b>8<sup>th</sup> grade - Quarter 1 Enactment</b></p> <ul style="list-style-type: none"> <li>- Water <ul style="list-style-type: none"> <li>- Study of solutions, concentrations, acid-base interactions, chemical reactions</li> <li>- Risk assessment and toxicity</li> <li>- Water chlorination</li> <li>- Water quality</li> <li>- Groundwater contamination</li> </ul> </li> <li>- Strategies <ul style="list-style-type: none"> <li>- Classroom &amp; material management</li> <li>- Literacy Strategies</li> <li>- Pacing</li> <li>- Journaling</li> <li>- Assessment</li> </ul> </li> </ul>  | LU |
| 3 | Summer – July 27, 2007   | Loyola University | 5.5/8:30-2:45pm | LU, CPS, SEPUP | <p><b>8<sup>th</sup> grade - Quarter 1 Enactment</b></p> <ul style="list-style-type: none"> <li>- Water <ul style="list-style-type: none"> <li>- Study of solutions, concentrations,</li> </ul> </li> </ul>   |    |

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|   | OR<br><br>Summer–August 10, 2007   |        |                    |     | <ul style="list-style-type: none"> <li>acid-base interactions, chemical reactions</li> <li>- Risk assessment and toxicity</li> <li>- Water chlorination</li> <li>- Water quality</li> <li>- Groundwater contamination</li> <li>- Strategies <ul style="list-style-type: none"> <li>- Classroom &amp; material management</li> <li>- Literacy Strategies</li> <li>- Pacing</li> <li>- Journaling</li> <li>- Assessment</li> </ul> </li> </ul>   |     |
| * | September 15, 2007<br>SALI (7 <sup>th</sup> )<br>IEY (8 <sup>th</sup> )<br><br><b>(Saturday Session)</b> | Medill | 5.5/8:30–2:45p.m.  | CPS | <b>Overview Session of curriculum</b><br>7 <sup>th</sup> grade - Studying People Scientifically<br>8 <sup>th</sup> grade - Water<br>7 <sup>th</sup> /8 <sup>th</sup> - Strategies <ul style="list-style-type: none"> <li>- Classroom &amp; material management</li> <li>- Literacy Strategies</li> <li>- Pacing</li> <li>- Journaling</li> <li>- Assessment</li> </ul>   | CPS |
| 4 | October 15, 2007<br>SALI (7 <sup>th</sup> )<br><br>October 16, 2007<br>IEY (8 <sup>th</sup> )            | Medill | 5.5/8:30- 2:45p.m. | TBD | <b>Continuation of Quarter 1 Enactment</b><br>7 <sup>th</sup> grade<br>Micro-Life <ul style="list-style-type: none"> <li>- Study of microbiology, cell size, structure, function and permeability</li> <li>- Systems of classification</li> <li>- Study of the function of the immune system</li> <li>- Study of the growth of antibiotic-resistant organisms</li> </ul> 8 <sup>th</sup> grade<br>Water <ul style="list-style-type: none"> <li>- Study of solutions, concentrations, acid-base interactions, chemical reactions</li> <li>- Risk assessment and toxicity</li> </ul> | CPS |

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|---|---|-------------------|-------------------|-----|---|-----|
|   |   |                   |                   |     | <ul style="list-style-type: none"> <li>- Water chlorination</li> <li>- Water quality</li> <li>- Groundwater contamination</li> </ul>  |     |
| 5 | November 17, 2007<br>SALI (7 <sup>th</sup> )<br>IEY (8 <sup>th</sup> )<br><br><b>(Saturday Session)</b> | Loyola University | 5.5/8:30–2:45pm   | TBD | <b>Quarter 2 Enactment</b><br>7 <sup>th</sup> grade<br>Micro-Life <ul style="list-style-type: none"> <li>- Study of microbiology, cell size, structure, function and permeability</li> <li>- Systems of classification</li> <li>- Study of the function of the immune system</li> <li>- Study of the growth of antibiotic-resistant organisms</li> </ul> 8 <sup>th</sup> grade<br>Materials <ul style="list-style-type: none"> <li>- Chemical and physical changes</li> <li>- Matter and its properties</li> <li>- Density</li> <li>- Solid waste disposal</li> </ul> |     |
| 6 | December 15, 2007<br>SALI (7 <sup>th</sup> )<br>IEY (8 <sup>th</sup> )<br><br><b>(Saturday Session)</b> | Loyola University | 5.5/8:30–2:45pm   | TBD | <b>Completion of Quarter 2 enactment</b><br>7 <sup>th</sup> grade<br>Our Genes, Our Selves <ul style="list-style-type: none"> <li>- Mendelian and modern human genetics</li> <li>- Genes and the environment</li> <li>- Cell reproduction</li> </ul> 8 <sup>th</sup> grade<br>Materials <ul style="list-style-type: none"> <li>- Chemical and physical changes</li> <li>- Matter and its properties</li> <li>- Density</li> <li>- Solid waste disposal</li> </ul>   | CPS |
| 7 | January 9, 2008<br>SALI (7 <sup>th</sup> )<br><br>January 10, 2008<br>IEY (8 <sup>th</sup> )            | Medill            | 5.5/8:30-2:45p.m. | TBD | <b>Quarter 3 Enactment</b><br>7 <sup>th</sup> grade<br>Our Genes, Our Selves <ul style="list-style-type: none"> <li>- Mendelian and modern human genetics</li> <li>- Genes and the environment</li> </ul>   | CPS |

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|  |  |  |  |  | <ul style="list-style-type: none"> <li>- Cell reproduction</li> </ul> <p>8<sup>th</sup> grade<br/>Energy</p> <ul style="list-style-type: none"> <li>- Energy production</li> <li>- Transmission and transformation</li> <li>- Heat flow</li> <li>- Solar energy</li> <li>- Energy resources</li> </ul> |  |
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|---|---|-------------------|-------------------|-----|--|-----|
| 8 | February 23, 2008<br>SALI (7 <sup>th</sup> )<br>IEY (8 <sup>th</sup> )<br><br><b>(Saturday Session)</b> | Loyola University | 3/8:30–11:30a.m.  | TBD | <b>Quarter 4 enactment</b><br>7 <sup>th</sup> grade<br>Ecology <ul style="list-style-type: none"> <li>- Dynamic interactions of living and non-living components of an ecosystem</li> </ul><br>8 <sup>th</sup> grade<br>Energy <ul style="list-style-type: none"> <li>- Energy production</li> <li>- Transmission and transformation</li> <li>- Heat flow</li> <li>- Solar energy</li> <li>- Energy resources</li> </ul> | CPS |
| 9 | April 14, 2008<br>SALI (7 <sup>th</sup> )<br><br>April 15, 2008<br>IEY (8 <sup>th</sup> )               | Medill            | 5.5/8:30–2:45p.m. | TBD | <b>Quarter 4 Enactment</b><br>7 <sup>th</sup> grade<br>Evolution (overview) <ul style="list-style-type: none"> <li>- The fossil record</li> <li>- Evolution of species by natural selection</li> </ul><br>Body Works (overview) <ul style="list-style-type: none"> <li>- Structure and function of the human body</li> <li>- Focus on circulatory system</li> </ul><br>Summative Assessment of curriculum                | CPS |

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|  |  |  |  |  | 8 <sup>th</sup> grade<br>Environment <ul style="list-style-type: none"> <li>- Pollution</li> <li>- Rates of reaction</li> <li>- sustainability</li> </ul> Summative Assessment of curriculum |  |
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*Level I Users Course: 9 Sessions; 51 Hours*

**(\* Make-up Session**