

Eau that Smell: sample schedule

| Day 1 | Day 2 | Day 3 | Day 4 | Day 5 |
|--|--|--|---|---|
| Presentations | | | | |
| <ul style="list-style-type: none"> • <i>What is Synthetic Biology</i> • <i>Eau d'coli</i> | <ul style="list-style-type: none"> • <i>Parts of a cell</i> • <i>Programming a cell with DNA</i> | <ul style="list-style-type: none"> • <i>Moving genes from cell to cell</i> • <i>Nature vs Nurture Survey</i> | <ul style="list-style-type: none"> • <i>Beneficial bacteria</i> | <ul style="list-style-type: none"> • <i>Real world applications of this technology</i> |
| Labs | | | | |
| <ul style="list-style-type: none"> • <i>Orientation</i> • <i>Safety training</i> • <i>Lab math</i> • <i>Patching cells to LB</i> | <ul style="list-style-type: none"> • <i>Transformation with pBNAN</i> | <ul style="list-style-type: none"> • <i>Overnight cultures</i> • <i>Banana-smell standards</i> • <i>Virtual PCR</i> | <ul style="list-style-type: none"> • <i>Smell tests</i> • <i>Serial dilutions</i> | <ul style="list-style-type: none"> • <i>Data collection</i> • <i>Data analysis</i> • <i>Graphing and sharing data</i> • <i>Lab clean-up</i> |
| Additional Activities | | | | |
| <ul style="list-style-type: none"> • <i>Build a cell</i> | <ul style="list-style-type: none"> • <i>Lab notebooks</i> • <i>Virtual transformation lab</i> | <ul style="list-style-type: none"> • <i>Finding "DNA Parts" in the real world</i> • <i>Data review</i> | <ul style="list-style-type: none"> • <i>Exponential growth</i> | <ul style="list-style-type: none"> • <i>Play "Strain"</i> • <i>Brainstorm synthetic living systems</i> |

Many of these presentations and additional activities are available from BioBuilder.org.

Teachers can request reagents and materials directly via the Educational Foundation's website.