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**SSERC Risk Assessment** (revised version March 2018)

(based on HSE’s INDG 163 ‘Risk assessment - A brief guide to controlling risks in the workplace’)

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| Activity assessed | Electric writing |
| *Date of assessment* | 8th December 2019 |
| *Date of review (****Step 5****)* |  |
| *School* |  |
| *Department* |  |

| Step 1 | Step 2 | Step 3 | Step 4 | | |
| --- | --- | --- | --- | --- | --- |
| *List Significant hazards here:* | *Who might be harmed and how?* | *What are you already doing?*  *What further action is needed?* | *Actions* | | |
| *by whom?* | *Due date* | *Done* |
| Phenolphthalein is a carcinogen and reproductive toxin. (Below 1% it is of no significant hazard) | Technician making up solutions by inhalation or splashes | Avoid raising dust. Wear gloves and eye protection. |  |  |  |
| Bromothymol blue is harmful if ingested | Technician making up solutions by splashes | Avoid raising dust. Wear eye protection. |  |  |  |
| ‘Ink’ solution is of low hazard but can irritate eyes if splashed in. | Demonstrator and audience. | Thoroughly rinse eyes if affected. Appropriate eye protection should be worn. |  |  |  |
| Use of electricity could lead to shock | Demonstrator and audience. | Only use low voltage supply or battery. |  |  |  |

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| **Description of activity:**  Filter paper is sprayed with an indicator/salt mixture. One electrode is connected to the paper and the other is used as a pen which ‘writes’ on the paper. |

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| **Additional comments:** |