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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 | Chip Pan Fire |
| *Date of assessment* | 8th April 2015 |
| *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* |
| Burning oil is a fire risk | Demonstrator and pupils by spillage or splattering of burning oil. | Do **not** exceed the stated amount.Make sure the crucible is firmly wedged in a stable clay triangle.Do not use a porcelain crucible (it might break).Demonstrator wear heat-proof gloves and a face shield.Audience to be at least 4m back, wearing eye protection.Use safety screens to protect audience and demonstrator.Switch Bunsen burner off as soon as the oil is on fire. |  |  |  |
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| **Description of activity:**3cm3 of cooking oil is heated and set alight and then a small amount of water is added. The result is a fireball of flames about 1 m high. |

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| **Additional comments:**Do NOT exceed the stated amount of oil. Do not try to show that the fire can be put out with a damp towel – the crucible might be knocked over. |