


# Risk Assessment – Discover Materials

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| <b>Creator/Reviewer of Risk Assessment</b> | <b>Name</b> Ian Snell  |
|  | <b>Signature</b>  |
| <b>Next Review Date</b>                    | September 2025   |

| Severity                   | Likelihood | Risk Rating* (S x L) |
|----------------------------|------------|----------------------|
| 1 No or Little Harm        | 1 Unlikely | 1-5 Low              |
| 2 Minor/First Aid          | 2 Possible | 6-10 Medium          |
| 3 Medical Attention        | 3 Probable | 10+ High             |
| 4 Hospitalisation          | 4 Likely   |                      |
| 5 Death/Irreparable Injury | 5 Certain  |                      |

| <b>Science Oxford Risk Assessment</b> |   |  | <b>Severity</b> | <b>Likelihood</b> | <b>Risk Rating*</b> |
|---------------------------------------|---|--|-----------------|-------------------|---------------------|
| <b>Hazard</b>                         | <b>Risk</b>   | <b>Control Measures</b>  |                 |                   |                     |
| Dropping breakables                   | <b>All</b><br>Cuts from broken glass  | All objects are dropped inside a transparent "Drop Tube" to prevent shards from reaching the audience. This MUST always be used. Objects are dropped into a tray lined with a bin bag for safe and convenient disposal. A labelled sharps disposal box for storage of bin bags with broken glass should always be used and stored carefully. The sharps box should be kept under strict supervision until full safe disposal of the glass can be arranged.                       | 2               | 1                 | 2                   |
|                                       | <b>All</b><br>Allergic reaction to eggs   | Presenters with egg allergy not to use eggs. Use of eggs identical to use of glass, above. If warned of severe egg allergy in audience, this should not be done.   | 4               | 1                 | 4                   |
| Making slime                          | <b>Participants</b><br>Consumption of ingredients, possible allergic reaction.  | <ul style="list-style-type: none"> <li>•Children are to be supervised at all times, with an ideal adult:child ratio of 1:6, no lower than 1:10, but ultimately determined by the school.</li> <li>•Children warned not to eat anything, and not to leave slime where it could be eaten. Hands must be washed after activity.</li> <li>•Following CLEAPSS guidance, we cannot recommend that slime be taken home, but it can be kept in school for future experiments.</li> </ul> | 2               | 1                 | 2                   |
|                                       | <b>All</b><br>Transmission of disease from touching objects   | Lolly sticks are disposed of, cups are washed in a dishwasher between schools, other equipment is supervised by adults. School advised that pupils should wash hands before workshop during epidemics or flu season.   | 3               | 2                 | 6                   |
|                                       | <b>All</b><br>Borax solution is a mild irritant, which may cause a skin rash  | Gloves are available if needed.  | 2               | 1                 | 2                   |
|                                       | <b>Adult helpers</b><br>Pregnant women should avoid handling Borax. Borax is a possible mutagen (which may harm unborn children). | No pregnant teachers or accompanying adults should be involved in handling the slime or Borax in the workshop.   | 4               | 1                 | 4                   |

Please use this risk assessment in conjunction with your own prior assessments and dynamic management of risk.

