#### Risk Assessment Form

| **Equipment / Activity / Area being assessed** | Explore Maths Exhibition | **Risk Assessment No** |  |
| --- | --- | --- | --- |
| **Location** | Winchester Science Centre | **COSHH assessment** |  |
| **Who is exposed?** | General public | | |
| **Date of assessment** | 20-03-2020 | | |
| **Assessor’s name and job title** | James Grime Touring Manager | | |

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| **Risk = Likelihood of injury x Severity of injury** | **R = L x S** | **Low risk = 0 – 6** | **Medium risk = 7 - 12** | **High risk = 13 - 25** |

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| --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **S = Severity of injury** | | | | | |
| **No injury or illness (0)** | **Minor injury or illness (1)** | **First aid injury or illness (2)** | **“3 day” injury or illness (3)** | **Major injury or illness (4)** | **Fatality, disabling**  **injury, etc (5)** |
| **L = Likelihood of injury** | **Zero to very low (0)** | 0 = Low | 0 = Low | 0 = Low | 0 = Low | 0 = Low | 0 = Low |
| **Very unlikely (1)** | 0 = Low | 1 = Low | 2 = Low | 3 – Low | 4 = Low | 5 = Low |
| **Unlikely (2)** | 0 = Low | 2 = Low | 4 = Low | 6 = Low | 8 = Medium | 10 = Medium |
| **Likely (3)** | 0 = Low | 3 = Low | 6 = Low | 9 = Medium | 12 = Medium | 15 = High |
| **Very likely (4)** | 0 = Low | 4 = Low | 8 = Medium | 12 = Medium | 16 = High | 20 = High |
| **Almost certain (5)** | 0 = Low | 5 = Low | 10 = Medium | 15 = High | 20 = High | 25 = High |

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|  | **Hazard** | **Control Measures already in place to control the risk** | **What additional Control Measures are required?** | **Risk rating (High, Medium, Low)** | **Completed/ Escalated to:** |
|  |  |  |  |  |  |
|  | **General**  Large display background. Sturdy and fixed. Tables, plinths, exhibits. Knock into, knocked over, swung on by younger children. | Exhibits fixed to plinths. Stand-alone exhibits with heavy base. | Discourage children from running, swinging etc | 0 |  |
|  | **Soap Film**  Uses soapy water. Spillages will occur. | Buckets are fixed into the table. Table is heavy. Table on a mat. | Spillages on floor need to be wiped by staff and signage used accordingly. | 1 |  |
|  | **Puzzle Table 1**  Puzzle pieces. These pieces are large and are not a choking hazard. | N/A | N/A | **0** |  |
|  | **Puzzle Table 2**  Puzzle pieces are large.  Dice are larger than average. Unlikely choking hazard. | N/A | N/A | **0** |  |
|  | **What fits in a cube**  A table and a robust, glass box. | Glass box is robust but should be kept away from edge of table. Can be fixed down if necessary. | Staff should keep away from edge of table. Can use double sided tape to fix to table if necessary. | **0** |  |
|  | **Mirror Box – Infinite patterns**  No perceived risks | Box to be fastened down on a plinth. | N/A | **0** |  |
|  | **Lights On**  Exhibit on metal stand. Potential risk of being knocked over. | This is a very solid base. Tried and tested at mathematikum. | N/A | **0** |  |
|  | **Towers of Ionah**  Exhibit on metal stand. Potential risk of being knocked over. | Solid base. Tried and tested at mathematikum | N/A | **0** |  |
|  | **How Many Smarties**  No risk | N/A | N/A | **0** |  |
|  | **Mirror Book**  Trapped finger risk | Leave shapes between mirrors. | Leave shapes between mirrors. | **1** |  |
|  | **Corner Mirror**  No risk. | Will be fastened down. | N/A | **0** |  |
|  | **Symmetric letters**  No risk | Will be fastened down. | N/A | **0** |  |
|  | **Drawing in the mirror**  No risk | N/A | N/A | **0** |  |
|  | **Find the Fish**  No risk | N/A | N/A | **0** |  |
|  | **Penrose Fish**  No risk | N/A | N/A | **0** |  |
| Image result for giant soma cube | **Giant Soma Cube**  Young children may climb on the pieces and fall | Discourage children from climbing on cube. | Discourage children from climbing on cube. | **1** |  |
| C:\Users\j_gri\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\2B920799.tmp | **Pendulum Wave**  No perceived risk | N/A | N/A | **0** |  |
| Image result for momath ring of fire | **Ring of Fire**  Laser used in the ring. | Ring is placed on table lasers vertical and therefore user cannot look into laser directly without climbing on table and lying on it. | May need to be accompanied | **1** |  |
|  | **Parabolic bounce**  No perceived risk | N/A | N/A | **0** |  |
|  | **Tautochrone**  No perceived risk | N/A | N/A | **0** |  |
| Image result for giant rush hour game | **Rush hour game**  Game pieces. No choking hazard | N/A | N/A | **0** |  |
| Image result for genius square | **Genius Square**  Dice and game pieces. Unlikely choking hazard. | Signage, not suitable for children under 3. | Direct younger children to other activities. | **1** |  |
|  | **Ipad (puzzle app) and stand.**  Stand may be knocked over if not fixed. | Stand to be fixed. | N/A | **0** |  |

**Sign-off of risk assessment**

| **Reviewed by Operations Team on:** |  |
| --- | --- |
| **Next Review date:** |  |