**Apparatus** | **Activity** *(Steps in the process/task)* | **Hazards Identified** *(What could cause an injury)* | **Risk Score** *(How harmful is it)* | **Controls** *(What can be done to minimise the risk of injury)*  
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Jumping rings | Push the button on the capacitor to make the rings leap into the air. | Projectiles in a confined space could cause eye or face injuries. | 2 | Ensure observers’ head is not directly above apparatus.  
Jacobs ladder and Induction coil | Turn on switch to start the equipment. | Minor static electric shock | 2 | Only to be operated by a trained demonstrator. Operator to have hair and clothing secured or tied up before operating equipment. RCD (residual current devices), surge protectors and circuit breakers are all used on electrical equipment.  
Light and Laser demo | Shine a laser through Perspex | Chance of eye damage. | 1 | Label hazardous beam exit. Supervision of demo by trained demonstrator.  
Liquid nitrogen | Decanting liquid nitrogen from flask bowls. Decant Liquid nitrogen from flask to Superconductors | Possibility of cryogenic burns on exposed skin | 6 | Only trained operators to use liquid nitrogen. PPE is to be worn (gloves, goggles, covered shoes) and only tongs are used to manipulate objects which have been placed in the liquid.  
Electroscope | Hit latex glove on Perspex sheet | Injury to hand | 1 | Supervision by at trained demonstrator  
Chairs and equipment | Sitting on Chairs and other equipment | Personal injury from improper handling | 1 | Participants to take care when sitting or using equipment, not to touch other equipment