

A resource document for players and organisers

Assessing the risk of science investigations is important as it defines measures and parameters to conduct investigations safely. Risk assessments form an essential part of good work, health and safety and create awareness of hazards, risks and measures of control.

For a risk assessment you need to:

- identify the hazards
- assess the risk
- control the risk.

A risk assessment for an activity should:

- Identify the investigation name or aim of the investigation
- list the hazardous or dangerous chemicals to be used or produced during the activity
- refer to information about the chemicals from labels and information from suppliers, such as Material Safety Data Sheets (MSDS)
- identify important routes of entry and hazards for the hazardous chemicals
- identify the risks in the way the chemical will be used
- state conclusions about the risks and what controls (procedures and equipment) will be used to minimise risk
- indicate how the chemical will be disposed of safely and responsibly
- Record the name of the person making the risk assessment and the date it was made.

Risk assessments can be amended to suit the context of your school and the individual needs of each science laboratory or working area. Ensure that each risk assessment identifies and assesses all possible hazards and risks and suitably controls the risk.

Parameters	Risk assessment
Investigation name or aim	Bubble Soccer – The game and participation related to wearing the bubble suit
Hazardous or dangerous chemicals to be used	Area must be clear of all sharp objects, chemicals that may cause short term or long-term harm. Playing area should be reasonably flat ,clear of trees or objects that can be hazardous. Area should also be with green grass to ensure soft landing. Game strictly not to be played on hard surfaces such as concrete etc.
Source/s of safety information	The facilitator before the commencement of the activity will provide detailed safety instructions. Teachers/educators/teaching staff need to be present for supervision so participants receive sound instruction and co operate with facilitator.
Identify the hazards	<p>Identifiable hazards include :</p> <ul style="list-style-type: none"> • Sharp objects such as twigs,sticks,stones , glass or anything with shapr edges on the playing area, • Bubble suits being harnessed the wrong way around causing head to stick out of bubble, • Physical injury while participating in bubble soccer or player in noticeable distress. • Supervisors must immediately intervene if they notice any of the above
Assess the risk	Make sure all risk and hazards are removed; all instructions are delivered before event. Any late attending participants made aware of rules and regulations/safety instructions before participating.
Control the risk	<p>Scanning and clearing the playing area of any large sticks, twigs, sharp objects such as broken glass and rocks with sharp edges or any other foreign objects that may increase the risk of someone tripping and potentially causing an injury control the risk.</p> <p>The equipment used also has straps inside the bubble suits, which keep participants safe inside the bubbles, and stops people from being able to fall out of the bubble or hurt their heads, there are also handles which should be held at all times whilst in bubble suits. Bubbles must be entered through adjustable end as instructed by facilitator. Participants should not exit bubble suit from the top nor should climb on top of the bubble unsupervised, and players should never sit on bubbles unless closely supervised or someone holding the bubble</p>
Additional info regarding participation and general playing	<p>Anyone who has had recent surgery or has a medical condition that forbids physical activity is intoxicated and/or pregnant should not participate. Anyone who has breathing difficulties, chronic back problems, heart condition, allergy to plastic should not participate. Those with asthma should have ventilators handy.</p> <p>Straps may leave strap marks or minor bruising on skin after prolonged</p>

Parameters	Risk assessment
rules	<p>use, generally under arm pits. Those with sensitive skin may also experience discomfort on their knuckles from holding handle. Anyone with sensitive skin around the knuckle area can strap that area before the game or just wear wristbands to cover.</p> <ul style="list-style-type: none"> • Players should ensure straps are on correctly and straps comfortably adjusted. • The game should be played in moderation, meaning at jogging pace. No bumping at full speeds or from behind at high running or sprinting speeds. • Handles should be held at all times. Straps over shoulders at all times • Players on the ground who are trying to stand up should not be bumped. • Anyone getting in and out of a bubble or who has not yet strapped on should not be bumped.
Name/Date	