

Risks we think are specific to Fire Lighting

Burns	Participants	The group is briefed by the site instructor before the activity begins. The group are advised not to play with the fire or pick up any part of the fire or to touch the fire once it is lit. If Flint & Steel is being used, the instructor to train participants how to use them. This should include a demonstration. Bucket of water in the area in case of incidents. A fire blanket is also available. Long trousers and sleeves are recommended. A limited number of flint/steels are used so instructors can supervise people properly (working in small groups.) Groups should have clear working area – a small rope circle could be used in open areas. (February 2025)	Trivial if controls are followed
Splinters	Participants	The activity instructor briefs the group to be careful with wood to try to avoid splinters. There is a first aid qualified member of staff on site able to deal with splinters should one occur.	Trivial if controls are followed
Poor food hygiene	All	We limit food to simple packet food which is opened on the day (eg marshmallows), and hot drinks such as tea and coffee.	Trivial if controls are followed
Improper use of knife	All	Knife use limited to instructors only for prepping the bow drill before an attempt at creating an ember.	Trivial If controls are followed
Injury from wooden drill releasing from bow	Participants	Participants made aware that drill can ping out of bow, instructors to show proper body positioning to avoid contact with drill when released from bow. Emphasize the importance of maintaining proper body positioning to avoid injury from the drill. (February 2025)	Tolerable If controls are followed

Misuse of Kelly Kettles Including Burns	Participants	During operation the bung in the Kelly Kettle should be removed. When in operation the chimney can funnel heat and can put people adding wood to the stove. Only experienced users should add wood down the funnel. We recommend using leather gloves when taking the stove off the fire (however, experienced users can take the stove off the fire without getting burnt.) Hair & loose clothing to be tied back Groups to be briefed on drop & roll All fire to be full out & cold/wet before leaving the area	Trivial if controls are followed
Boiling water from Kelly Kettle	All	With some groups the use of the kettle may not be appropriate. A clear brief should be given and suitable location for fire/kettle will reduce this hazard.	Tolerable Risk if controls are followed

Reviews Undertaken: Initial risk assessment for Fire Lighting conducted by Michael Barrett 2022; Review Michael Barrett March 2023 Richard Irvine March 2024 Initial risk assessment for Kelley Kettles conducted by Richard Irvine. 08/2/2016. Reviewed Richard Irvine and peer review by 2 instructors 9/12/2016 H.OShea & Daniel Farnsworth 02/10/2017 Richard Irvine 4/12/2017 & 11/8/2018 Richard Irvine 3/12/2019 Nigel Ruse 05/08/20; Michael Barrett 2022 & 2023 Richard Irvine Both Risk Assessment linked together 22/3 24 and February 2025.		
Risk Assessment Approved by:	Richard Irvine	Date February 2025