

The Level 4 Original Bushcrafter's Qualification – The Ötzi Course

Learning Outcomes Document



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Unit 1. The History of Ötzi The Iceman

Learner Will 1.1

Know where Ötzi The Iceman was discovered.

Learner Can 1.1.1

Analyse The geographical location the Ötzi was discovered

Assessment Guidance

The learner will be able to analyse the significance of the geographical location with special reference to the Ötstal alpine environment.

Learner Will 1.2

Be able to relate the events from Ötzi's discovery to his current location.

Learner Can 1.2.1

Relate the extraction of his body from the ice

Assessment Guidance

The learner will be able to describe the sequence of events in dating and removing the Ötzi's body from the glacier to the South Tyrol Museum of Archaeology

Learner Can 1.2.2

Relate how Ötzi's belongings are curated

Assessment Guidance

The learner will be able to describe how the belongings found with Ötzi are kept on display.

Unit 2. Interpretation of Ötzi's Back Pack

Learner Will 2.1

Know which materials to use to create Ötzi's back pack

Learner Can 2.1.1

Experiment with wooden materials involved in Ötzi's back pack

The original is made from hazel and larch.

Assessment Guidance

The learner will be able to cut and fix the wood together

Learner Can 2.1.2

Experiment with cordage materials the bind the wooden aspects of the back pack together

Assessment Guidance

The learner will be able to ply lime bast cordage to lash together the hazel rods and larch planking

Learner Can 2.1.3

Adapt Smaller sticks to form a cage that creates the sack of the back pack

Assessment Guidance

The learner will source willow or hazel wands to interweave an attached volume for the day sack. The learner will be required to use cordage to fix the sack to the frame

Unit 3. Replication of Ötzi's Birch Bark Containers

Learner Will 3.1

Understand The pyrotechnological significance of Ötzi's birch bark containers

Learner Can 3.1.1

Analyse The construction of chalcolithic birch bark containers

Assessment Guidance

The learner will demonstrate how to identify a birch tree and obtain the materials needed to make a pot.

Learner Can 3.1.2

Build a birch bark pot similar to that found with Ötzi

The birch bark pot will need to be similar in dimensions and be suitable for carrying charcoal.

Learner Can 3.1.3

Compare a range of leaves capable of transporting charcoal

Assessment Guidance

The learner will need to demonstrate an understanding of large leafed plants and how the leaves behave whilst being exposed to warm embers.

Unit 4. Replication of Ötzi's Arrows

Learner Will 4.1

Be able to replicate the arrows made by Ötzi

Learner Can 4.1.1

Analyse the wood species for the arrows

Assessment Guidance

The learner will be able to state which species were used to make arrows by Ötzi

Learner Can 4.1.2

Adapt their knowledge of tree species to create arrows from a localise source

Assessment Guidance

The learner will determine which species are suitable and available at the course location

Learner Can 4.1.3

Construct a selection of arrows through cutting, stripping, straightening and nocking.

Assessment Guidance

The learner will make at least three arrows that are similar to each other to demonstrate true replication

Learner Can 4.1.4

Combine arrow shafts and arrow heads

The learner will need to demonstrate that they have nocked the arrow shafts to the correct size to seat the heads

Learner Can 4.1.5

Construct an arrow with correct fletchings.

Assessment Guidance

The learner will construct three fletched arrows from the feathers provided. The cock feather and the hen feathers will need to be correctly located.

Unit 5. Replication of Ötzi's Tassel

Learner Will 5.1

Be able to construct a replication of Ötzi's tassel

Learner Can 5.1.1

Experiment with buckskin to replicate the tassels.

Assessment Guidance

The learner will need to show the correct number of tassels, made to the correct size, with the correct number of knots and twisted.

Learner Can 5.1.2

Adapt soapstone to make the disc.

Assessment Guidance

The learner will be able to construct a disc made of soapstone to replicate the Tuscan marble originally used.

Unit 6. Replication of Ötzi's Retoucher

Learner Will 6.1

Be able to recreate Ötzi's original retoucher

Learner Can 6.1.1

Analyse The two materials used to make the retoucher

Assessment Guidance

The learner will be able to analyse which species the antlers come from, and which wood the handle is made from.

Learner Can 6.1.2

Construct an antler point for the retoucher

Assessment Guidance

The learner should be able to construct the antler point to the correct dimensions for the handle and to correspond with the original

Learner Can 6.1.3

Construct a lime handle for the retoucher

Assessment Guidance

The learner will need to identify the correct species of tree, and which part should be used. If the correct species is not available, then an alternative should be suggested.

Learner Can 6.1.4

Construct a finished retoucher similar to Ötzi's

Assessment Guidance

The learner should be able to discuss adhesives and soaking materials to construct the finished product.

Unit 7. Interpretation of Ötzi's Fire Lighting Methods

Learner Will 7.1

Know which materials were used when Ötzi lit a fire

Learner Can 7.1.1

Analyse the properties of Iron Pyrite when used with Flint

Assessment Guidance

The learner will copy the original techniques employed to light their own fire.

Learner Can 7.1.2

Catalogue the fire lighting assemblages discovered with Ötzi

Assessment Guidance

The learner will be able to discuss birch bark containers, iron pyrite, flint and fungi.

Unit 8. Replication of Ötzi's Dagger

Learner Will 8.1

Be able to construct a replication of Ötzi's dagger

Learner Can 8.1.1

Analyse the blade of Ötzi's dagger

Assessment Guidance

The learner will need to discuss the origins of flint knapped blades and the use of façonnage and débitage.

Learner Can 8.1.2

Construct a handle for the blade made from the correct materials

Assessment Guidance

The learner will discuss the use of Ash and the alternatives if Ash is not available.

Learner Can 8.1.3

Combine blade and handle with adhesives

Assessment Guidance

The learner will be able to discuss the use of previously made birch bark adhesives

Learner Can 8.1.4

Develop the possibilities of the use of cordage with the dagger

Assessment Guidance

The use of lime cordage is suggested and likely but how it was used is open to debate. By understanding the process of dagger construction, the learner should understand the strong possibility that it was used as a lanyard.

Unit 9. Replication of Ötzi's Copper Axe Head

Learner Will 9.1

Understand the significance of a copper axe head in an historical context

Learner Can 9.1.1

Examine how the use of copper changed the course of history

Assessment Guidance

The learner will be able to discuss how the use of copper linked the Neolithic and the Bronze Age

Learner Can 9.1.2

Examine how the possession of a copper axe head was socially significant

Assessment Guidance

The learner will be able to discuss what it meant to an individual in a society to own a copper axe head.

Learner Will 9.2

Be able to construct a copper axe head

Learner Can 9.2.1

Build a blank for the design required

Assessment Guidance

The learner is expected to carve a wooden blank for use with greensand.

Learner Can 9.2.2

Develop a mould for an axe head

Assessment Guidance

The learner is expected to create a mould made from greensand that is similar to the dimensions used by Ötzi

Learner Can 9.2.3

Analyse the process for melting copper in a furnace

Assessment Guidance

The learner should be able to discuss the safe use of charcoal and the melting point of copper.

Learner Can 9.2.4

Coordinate the pouring of molten copper into the axe head mould

Assessment Guidance

The learner will be expected to remove the crucible from the furnace and pour the liquid copper into the mould, before leaving it to cool.

Learner Can 9.2.5

Modify the raw axe head to a useable tool

Assessment Guidance

The learner is expected to remove any unwanted copper and sharpen the axe accordingly.

Unit 10. Replication of Ötzi's bow stave

Learner Will 10.1

Be able to replicate Ötzi's yew bow stave with a locally sustainable species

Learner Can 10.1.1

Compare Yew with other more sustainable species of wood for a bow stave

Assessment Guidance

The learner will be expected to analyse the specific properties of Yew and suggest appropriate alternative.

Learner Can 10.1.2

Construct a replica of the bow stave that Ötzi was making before he died.

Assessment Guidance

The learner will make an unnotched bow stave with a scalloped finish. The bow does not need to be strung.

What are the aims and objectives?

The aim of this course is to make the transformation from contemporary bushcraft with 'off the shelf' equipment back to non-proprietary equipment made as part of life experiences 5000+ years ago.