Activity Procedure

1) Before you write, spend at least 2 minutes to observe the artifacts and discuss them at your table:
   - Review the guiding questions
   - Discuss observations before jumping to inferences
   - Use your meaningful conversations and accountable talk

2) Choose 2 placards you think provide you with the best information and record your observations and inferences on your worksheet.

3) Have a meaningful conversation with your group to discuss:

   What have we learned about Otzi now that we have examined this new information?

   - You do not have to agree, but be sure to agree/disagree respectfully
   - Use your meaningful conversations paper and use accountable talk
   - Acknowledge and add onto other people’s ideas to show that you are actually listening to them
Station 1

Otzi’s Body and tattoos
A: Observations of Otzi’s Body

- In 2001, an X-ray revealed a flint arrowhead in his left shoulder, after which a 2 cm entry wound was discovered in his back. The arrow severed the subclavian artery, indicating that Ötzi bled to death within a matter of minutes. Ötzi also suffered a severe head injury.

- The arrowhead broke off when the arrow shaft was removed and is still in his body. The shape of the arrowhead corresponds to that of other flint arrowheads found in the area, including the ones Ötzi was carrying himself.

- There was a deep cut to his right hand.

Guiding Questions:
- What might the injuries on his body mean about his life or how he may have died?
61 tattoos were found on Ötzi’s body, all in the form of lines or crosses. Unlike modern tattoos, they were not made with a needle; they were fine incisions into which pulverized charcoal was rubbed. The tattoos are located near his ribcage and lumbar spine, on his wrist, knee, calves and ankles.

Scientists are still puzzled about the significance of the tattoos. They were located in places that would have been covered by clothing most of the time.

**Guiding Questions:**
- Where are the tattoos located? Why might this be important?
C: Tattoos

Guiding Questions:
- What are the tattoos of? Are they decorative?
- What might be the purpose of these tattoos?
- What can these tattoos teach us about Otzi?
Station 2
Otzi’s Clothing

Background: Ötzi was fully clothed when he died. His clothing was damaged by wind and weather when the ice melted and was also badly affected by the destructive way in which his body was recovered.

As you analyze his clothing, think about what it might be made out of, who may have made it and why he was wearing these items.
Ötzi’s “trousers” consisted of two separate leggings approx. 65 cm in length. They were made from strips of domestic goat and sheep hide.

**Guiding Questions to ponder:**
- What might these have been used for?
- What condition are these in? What clues can the condition provide us?
- What clues might these give us about Otzi’s life, what he was doing or how or why he may have died?
E: Cap

Guiding questions:

- What materials could this be made out of?
- Who do you think may have made this?
- What condition is it in?
- Does this look like a common person could have made this or was it made by a professional?
- Why do you think Otzi had this cap?
Ötzi’s right shoe was found on his foot. This was removed for restoration. Only the netting of the left shoe survived. The shoes are made up of several layers. Dry grass was found stuffed under the netting.

Guiding Questions:
  - How is the shoe constructed?
  - What do you think it is made of and what does that tell us about Otzi, his life, or what he may have been doing when he died?
  - Why do you think there was grass in the shoe?
Station 3
Otzi’s Belongings

Ötzi was found with a variety of items including an axe, a longbow and arrows, flint dagger, birch bark containers, wooden backpack, birch fungus, among other items.

As you analyze the items found with Otzi’s body, think about why Otzi may have had these items with him. What do they tell you about his life, job, or what he was doing when he died? Do you think he made them or bought/traded for them?
G: Flint Dagger

- What could this be used for?
- What type of person would might carry this with them?
- What materials do you think this is made of?
- What does this teach us about the time period and/or culture Otzi lived in?
H: Otzo’s axe

This axe was made of wood and copper, which was a rare and valuable material at the time.

Guiding Questions:
- What type of person might need want an axe?
- What type of person may have such a valuable item?
The quiver contained 12 arrow shafts and 2 finished arrows. Some of the arrows were incomplete or in the process of being made.

**Guiding Questions:**
- Why would someone need these tools?
- Why might some arrows be incomplete?
Otzi was found with a tool that was probably used to re-sharpen tools and blades. This tool was completely unknown before Ötzi was found and has given archaeologists an entirely new understanding of the Copper Age tools and methods.

Guiding Questions:

- Why would Otzi have this tool?
- What type of person would might carry this with them?
Also part of Ötzi’s equipment were two pieces of birch polypore (birch fungus), which were threaded onto hide strips.

Guiding Questions:
- What was this fungus used for?
- What type of person would might carry this with them?