



## **Abstract:**

The fire circle provides an exciting and hands on opportunity to explore science of burning and understand the significant role fire historically played in the everyday life of Iron Age tribes. Students will be involved in the fire building process and can use the fire to make charcoal.

The fire circle session will have a mainly historical context, with optional science additional themes also available. In all sessions pupils will learn about safe fire practice and how the use of fire has changed over time through history. The science themed sessions will allow students to make their own charcoal, opening up science based discussions about the processes involved and why they are irreversible.

## **Learning Objectives:**

1. To understand how fire would have been used historically as a major way of life, and how this changed and differs from how fire is now used.
2. To understand how fire results in the formation of a new material (charcoal), and how this is an irreversible change.
3. To understand the importance of staying safe around a fire and how to safely use fire lighting equipment.
4. To understand the three fundamentals necessary for fire to burn and why each are required.

## **Learning Outcomes:**

1. Students will help construct a fire using safe methods.
2. Students will understand the process which causes items to become charcoal, how this is cannot be reversed, and create their own charcoal.
3. Students will be able to communicate key historical events and changes, and how fires were central to historical life.
4. Students will be able to communicate information on factors required by a fire and why they are important.