



GO EXPLORE... CHEMISTRY

WHY USE TREE TOP ADVENTURE TO DEVELOP STUDENTS' KNOWLEDGE AND UNDERSTANDING OF ENVIRONMENTAL CHEMISTRY?

Help your students to understand the consequences of every action and reaction, by taking them to see examples of chemical processes in person. Bring the effects of chemistry to life by raising awareness of forest fires and how to prevent combustion.

GO BITESIZE

1. How does combustion take place?
2. Research some infamous forest fires that have taken place and their causes.
3. What are the three crucial elements required for combustion?
4. When might incomplete combustion take place?
5. What two elements are produced as a cause of incomplete combustion?
6. Using the graph below, explain how each fire is put out by removing one of the three crucial elements.

FIRE	HOW TO PUT IT OUT	PART REMOVED
Oil fire	Cover the frying pan with damp cloth	
Forest fire	Cut down trees in its path	
Forest fire	Douse with water	

7. What chemical processes are happening in trees and animals around the forest?
8. When does chemical decomposition occur within the forest?
9. What are the causes of chemical decomposition?

GO PROJECT

Research one of the materials used within the Go Ape adventure. Analyse the properties that make it perfect for its use on the course. Are there any materials that would be better suited for its job?

