Curriculum for Excellence

Evolution P6-S2

Travel through millions of years as we watch evolution in action on a fictional planet. Join in a game where random mutations and environmental changes see the survival of the fittest.

During this workshop, your pupils will develop their understanding of how organisms develop and pass on genetic information to the next generation by looking at mice living on a fictional planet. As mistakes occur in the copying of their DNA, dominant and weaker mice emerge. Working in groups, they will effectively contribute in an evolution game where random mutations and environmental changes cause their mice to evolve and the survival of the fittest mouse indicates the winners. Rounding up the workshop pupils participate in a discussion focusing on human evolution, considering where we have come from and how we may evolve in the future.

This workshop enables pupils to:
Develop curiosity and understanding of the environment and my place in the living world.
Demonstrate a secure knowledge and understanding of the big ideas and concepts of the sciences.
Develop skills in the accurate use of scientific enquiry.
Develop as a scientifically-literate citizen with a lifelong interest in the sciences.
Establish a foundation for more advanced learning and future careers in the sciences and the technologies.
Communicate, collaborate and build relationships.

Curriculum for Excellence Experiences and Outcomes:
Planet Earth – Biodiversity and interdependence.
I can identify and classify examples of living things, past and present, to help me appreciate their diversity. I can relate physical and behavioural characteristics to their survival or extinction. SCN 2-01a

Biological Systems – Inheritance.
By exploring the characteristics offspring inherit when living things reproduce, I can distinguish between inherited and on inherited characteristics. SCN 2-14b