



DISCOVERING WHY DIVERSITY GIVES STRENGTH IN EVOLUTIONARY TERMS

OBJECTIVE

Discover that in nature diversity gives strength in evolutionary terms

KEY COMPETENCIES

- Using imagination
- Communicating ideas
- Analysing information
- Reflecting & Evaluating

PEPPERED MOTH (10 mins)

Complete the task on the Peppered moth resource sheet.
How is diversity within a species beneficial?



DM1 Peppered moth



SURVIVAL GAME (30 mins)

This game looks at diversity within humans throughout the ages.

Firstly choose A or B for each of the 5 characteristics:

Height, body width, leg length, digestive tract and bones and make a note of your choices.

Then look at page 1 of the worksheet which explains the choices you have made.

Everybody should be stood up before presenting the scenario and then sit down if they're not suitable.

Repeat this for each scenario.

- If everyone had picked exactly the same characteristics what would have happened?
- What would have happened to humans if they had been unable to evolve due to a lack of genetic diversity?

Further information on human evolution can be found at
<http://humanorigins.si.edu/human-characteristics/bodies>

DM2 Survival game





CURRICULUM LINKS

Biology

- There are differences between species but also between individuals of the same species
- Evolution occurs via natural selection

DARWINS FINCHES (10 mins)

How is diversity between different species beneficial?

Which beak shape is best for a finch?

*DM3 Darwins
finches*



REFLECTION (5 mins)

You should now have discovered how Diversity gives Strength in terms of evolution. Add notes to the Reflection sheet and chart your progress on the Learning wall.

Visit the Share page of www.lessonsfromnature.org to comment on the activities you have taken part in.

To develop your understanding of the Diversity gives Strength insight take part in some more activities that link diversity in Nature to diversity in the human world.

