

Macduff Marine Aquarium Education Programmes

SALMON THE KING OF FISH

Learning Level Second and Third (P5 – P7 and S1-S3)

Time 2 hours

Salmon are one of the few species of fish that can survive both in fresh and salt water. This unique fish has a very special place in Scotland's natural heritage and in many areas the salmon run is a time-honoured visitor attraction. During this programme pupils will encounter live Atlantic salmon while following the journey of wild Atlantic salmon from river to sea and back again. Pupils will also explore the physiological adaptations that allow salmon to make this transition from river to sea.

Activities

A guided tour of the aquarium

Salmon film documentary presentation 'To the Journey's End' (by Bernard Martin)

Handling live marine animals

Interactive presentation

Key Concepts.

Living things change throughout their lifetime and differ in the ways they grow, develop, and reproduce.

The survival of a species is dependent on its ability to adapt to its environment.

Osmoregulation is the movement of water from areas of high concentration to low concentration.

Specialised cells in organisms allow them to adapt to environmental changes.

Experiences and Outcomes

Second Level

I can identify and classify examples of living things, past and present, to help me appreciate their diversity. I can relate to physical and behavioural characteristics to their survival and extinction. SCN 2-01a

I can use my knowledge of the interactions and energy flow between plants and animals in ecosystems, food chains and webs. SCN 2-02a

By investigating the lifecycles of plants and animals, I can recognise the different stages of their development. SCN 2-14b

I can discuss the environmental impact of human activity and suggest ways in which we can live in a more environmentally-responsible way. SOC 2.08a

Third Level

I have explored the structure and function of organs and organ systems and can relate this to the basic biological processes required to sustain life. SCN 3-12a