

# Alien Survivor

## About the Module

Students will carry out an investigation of a rock pool, collecting and identifying creatures and plant life using scientific equipment. The focus of the investigation is the ways in which living things have adapted to the environment in which they live. This will involve detailed examination of habitats, variation and physical features. Students will take digital photographs of their findings.



Students will watch a presentation about a variety of creatures. They will also be introduced to five events which the creatures will encounter. The students will answer questions and predict which creatures will survive. They will then watch a cartoon in which they learn what happens to the creatures and which is the winning survivor.

MS PowerPoint will be demonstrated to the students. They will then create a multimedia presentation, explaining how the winning creature's adaptations enabled it to survive. They will use their scientific findings from the rock pool investigation to support their explanation. The presentation must be entertaining and informative to the audience, using text, images, sound and animation to structure a reasoned and persuasive argument.

## Key Vocabulary

Multimedia, presentation, visual effect, sound effect, image, animation, toolbar, background, thumbnails, planning, structure, font, transition, storyboard, crop, habitat, organism, predator, prey, producer, consumer, food chain, identification key, life cycle.

## Desired Learning Outcomes

During this module students will learn to:

- Identify key plant and animal species on a rocky shore;
- Recognize the adaptations of some animals that allow them to live within a particular habitat;
- Plan a presentation;
- Collect appropriate resources;
- Construct an MS PowerPoint multimedia presentation;
- Insert text and images;
- Format text appropriately for the purpose and audience;
- Select and create backgrounds;
- Manipulate images to prepare for use;
- Add sound effects, animation and transitions;
- Consider the audience when selecting material to include;
- Structure a reasoned explanation using multimedia;
- Reorder slides within a presentation;
- Present to an audience using MS PowerPoint;

- Evaluate and improve their presentations.

### Curriculum Links

<p><b>NC Science</b>  Ideas &amp; evidence in science 1a.  Investigative skills Planning 2abc  Obtaining &amp; presenting evidence 2efg  Planning 2ijlm.  Communication 2a.  Life processes 1c.  Variation &amp; classification 4ab.  Living things in their environment 5bc.</p> <p><b>QCA Science</b>  KS2 4B Habitats.  KS2 5B Lifecycles.  KS2 Unit 6A Interdependence &amp; adaptation.  KS3 7D Variation and classification.  KS3 8D Ecological relationships.</p>	<p><b>NC ICT</b>  Finding things out 1bc.  Developing ideas and making things happen 2a.  Exchanging and sharing information 3abc.  Reviewing, modifying and evaluating work as it progresses 4ac.</p> <p><b>QCA ICT</b>  KS2 6A Multimedia presentation.  KS3 Unit 3 Processing text and images.</p>
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### Expectations

The students will create and perform a multimedia presentation, which communicates their understanding of a rocky shore environment including plant and animal adaptations. The presentation will be informative and entertaining to the audience.