

Welcome to the Key Stage 2 Marine and Coastal Education Pack

This new Key Stage 2 Marine and Coastal Education Pack (MCEP) has been produced alongside teachers and marine/coastal experts by the Dorset Coast Forum (www.dorsetcoast.com). The resource pack has been kindly funded by the Dorset AONB Partnership through its Sustainable Development Fund and the Jurassic Coast, World Heritage Team. The pilot project initially for 20 schools has been produced and are being provided free of charge.

The resource pack has been designed to cover the many different elements and issues within Dorset's coast and marine environment. It provides detailed information, fun activities and links with many subjects across the national curriculum.

The pack consists of:

- This folder has 10 different activities (see table) , each providing:
 - background information
 - activity ideas and worksheets
 - contacts / weblinks
 - teachers notes
- A plastic Seashore Discovery Box
- A large Eels and Rope Ladder floor game with dice
- Two CD ROMs' containing electronic versions of all the teaching resources found in the folder and PowerPoints of images for activities 1, 3, 4 and 6.
- Evaluation forms

We hope you enjoy using the Marine and Coastal Education Pack. To help us improve any future editions of the pack we would welcome your feedback by completing the evaluation form found in the back of the folder.

If you have any questions about the Marine and Coastal Education Pack please contact a member of the Dorset Coast Forum.

The Dorset Coast Forum, c/o Dorset County Council, Environment Group, County Hall,
Dorchester, Dorset, DT1 1XJ
Tel: 01305 224760 Web: www.dorsetcoast.com

Enjoy bringing the Dorset coast to Dorset's classrooms.

Best wishes

Jodie McGregor
DCF Officer

Activity

Curriculum Covered

Brief description

Worksheets and other resources

1. Seashore Discovery Box

*Science
Geography*

This box contains objects that are found washed up from the sea. Pupils can touch and discuss the objects.

- Plastic Seashore Discovery Box
- CD Rom of images
- Teachers notes

2. Marine & Coastal Quiz

*Science
Geography*

The quiz links with the Discovery Box, pupils have to find the answers by searching out statements on laminated cards.

- Worksheet A: Marine & Coastal Quiz answer sheet
- Statement cards to be laminated

3. Fossil Hunters

*Geography
Citizenship
Field Trip*

Activities include discussing images about safe ways to fossil hunt and worksheets on how fossils are formed.

- Worksheet A: How do I collect fossils safely?
- Worksheet B: How do fossils form? (part 1)
- Worksheet C: How do fossils form? (part 2)
- Fossil collecting leaflet
- CD Rom of images
- Teachers notes

4. Litter Pollution Along our Coast

*Geography
Citizenship
Maths, Field Trip*

Introduces pupils to the problem of marine litter; what it is and what damage it can cause. There are opportunities to complete a beach clean.

- Worksheet A: Biodegradable timeline
- Worksheet B: Litter Pollution Data Survey
- Worksheet C: The Great Dorset Beach Clean
- CD Rom of images
- Teachers notes
- CD Rom of images

5. Coastal Processes

*Science
Geography*

Links to a BBC website which explains general coastal processes, together with local examples from the Dorset coast.

- Worksheet A: Coastal formations along the Jurassic Coast?
- Worksheet A: Recording sheet
- Teachers notes

6. Coastal Environments & Habitats of Dorset

*Science
Geography, Field trip*

Images showing the different coastal environments and habitats in Dorset. Pupils can discuss the different human and wildlife activities that take place.

- CD Rom Images
- Teachers notes

7. Using the sea - Fishing

*Science
Geography*

Links to the Marine Stewardship Council's teaching resources on sustainable fishing, eating fish and simple ecology of the sea.

- Worksheet A: Coastguard storytelling pack
- Worksheet B: Coastguard safety pack
- Worksheet C: Newspaper article
- Worksheet D: Coastal Codes of Conduct

8. Safety and the Sea

*Geography
Citizenship, Literacy,
Drama*

Learning about being safe on the coast with the RNLI and MCA through storytelling and drama, posters and news paper articles.

- Worksheet A: Marine Pollution, Oil Spill Exercise
- Teachers notes

9. Marine Pollution, Oil Spill Exercise

*Science, Citizenship,
Drama*

Pupils can recreate an oil spill disaster in the classroom and role play as part of an environmental task force to deal with the situation.

10. Eels & Rope Ladders game

*Science, Citizenship
Geography*

A large floor game for pupils that's fun to play yet educates on the different aspects of climate change in a simple and easy to understand way.

- Eels and Rope Ladders; large floor game, dice and counters
- Worksheet A: Counters for game

Education/Visitor Centres along the Dorset Coast

Hengistbury Head Outdoor Education Centre

Contact: 01202 425173

hengistbury@bournemouth.gov.uk

Arne, RSPB Nature Reserve

Contact 01929 553360

arne@rspb.org.uk

Studland Beach Study Centre

Contact: 01929 450461

christina.surh@nationaltrust.org.uk

Durlston Country Park and Nature Reserve

Contact: 01929 424443

<http://www.durlston.co.uk>

Purbeck Wildlife Reserve, Kimmeridge Bay

Contact: 01929 481044

<http://www.coastlink.org/kimmeridge>

Lulworth Cove and Heritage Centre

Contact: 01929 400155

<http://www.lulworth.com/education/education.htm>

Chesil Beach Centre

Contact: 01305 760579

<http://www.chesilbeach.org/CBFNR/>

Charmouth Heritage Coast Centre

Contact: 01297 560772

<http://www.charmouth.org>

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