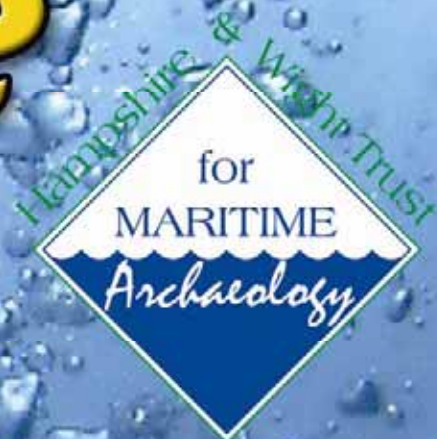


Secrets of the Solent



- * Resource information and fact sheets
- * Worksheets for the classroom and visits to the Underwater Archaeology Centre
- * Suggestions for extended projects
- * New words glossary for each section

Secrets of The Solent

2005

Kindly reprinted by BAE Systems 2006



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BAE SYSTEMS

Introduction

The Hampshire and Wight Trust for Maritime Archaeology (HWTMA)

The Hampshire and Wight Trust for Maritime Archaeology (HWTMA) is a registered charity that has been operating in the Solent and surrounding areas since 1991, working to preserve and record the submerged landscapes, shipwrecks and sites of national scientific interest. Part of our core aims is to promote public awareness, enjoyment and participation in maritime archaeological heritage. To do this we are actively striving to increase access to and awareness of our activities and exhibition through a program of workshops, lectures, open days and dive trails.

Underwater Archaeology Centre at Fort Victoria



The Underwater Archaeology Centre at Fort Victoria, Yarmouth on the Isle of Wight has been evolving in the hands of the HWTMA to become an educational hub for the community, schools and dive groups. Within the Centre the work of the Trust is displayed to help educate and inform the public of the history of the area and the importance of the Trust's work in conserving and recording our maritime archaeological heritage. The Underwater Archaeology Centre at Fort Victoria is the HWTMA's main point of contact with the public and the community.

How to Use this Education Pack

This education pack has been written by the HWTMA for schools, parents and home educators to help provide a resource for studying history and science, as well as general literacy and numeracy. *Secrets of the Solent* is primarily designed to be used with Key Stage 2. However, the tasks within each section get progressively challenging and some activities are suitable for use with Key Stage 3.

It is not necessary to visit the Centre before working on any of the worksheets. Full fact sheets and glossaries of maritime words are included at the end of each section as well as crosswords and word searches to help make learning more fun! All of the words in bold type can be found in the glossaries. The worksheets and fact sheets within this publication have been designed to be photocopied for educational purposes only.

The pack is divided into three sections;

- What is maritime archaeology

This section explores what an archaeologist is and how underwater archaeologists work. It looks into how people work, the equipment used in different types of work, why history is important, and how objects tell stories about the past.

- Shipwrecks

One of the key areas of maritime archaeology is the exploration and preservation of shipwrecks. This section looks at why shipwrecks are important and how they become time capsules for archaeologists. The section has a case study of the wreck of '*HMS Pomone*' an 1805 Leda class, 38 gun frigate lost at the Needles in 1811, returning from the Mediterranean with military intelligence for the king. There are worksheets on the use of language aboard ships that look at how language that was once unique to sailors develops and then infiltrates into every day usage. The section also deals with the survival of different materials underwater, and how and why artifacts are conserved.

- Underwater Landscapes

The Solent area presents a unique opportunity to study how geography and landscapes change with the environment. At the end of the last Ice Age, about 10,000 years ago, the climate warmed during which time sea levels rose by over a hundred metres. This separated Britain from mainland Europe. The sea level rose further 8,500 years ago leading to the formation of the Isle of Wight and the Solent. This section looks at geographical changes, including stratigraphy, how people lived then and now, the process of erosion, and how the green house effect could cause this to happen again.

How to book a visit

If you would like to book a school or group visit to the Underwater Archaeology Centre at Fort Victoria please telephone, write or e-mail the HWMTA at the addresses' overleaf to discuss your schools requirements. We will endeavor to meet your needs. If you require a visit out of seasonal opening times, a member of staff will be available to open the museum for you and your party.

Facilities

- If you or your group have any special needs or requirements please advise us so that we may make suitable arrangements.
- The Underwater Archaeology Centre is fully accessible by wheelchair.
- There is a large picnic area nearby.
- Public toilets are situated less than 30m from the building, with disabled facilities available.
- There are several good cafés and restaurants in and around Fort Victoria.

Exhibition Opening Times

Easter - October 31st :

7 days a week 10am - 4:30pm

The Centre is available to open outside of normal hours for pre-booked groups.

Contact Information

HWMTA
Room W1/95
National Oceanography Centre
Empress Dock
Southampton
SO14 3ZH

Tel: 023 8059 3290

Fax: 023 8059 3052

info@hwtma.org.uk

How to Find Us

The Underwater Archaeology Centre at Fort Victoria is located just outside Yarmouth on the north west of the Isle of Wight.

- **By Ferry:**

The Isle of Wight can be reached by car and passenger ferries arriving at either Yarmouth, Cowes or Ryde. The sunken History Exhibition is within 15minutes walking distance of the Yarmouth Ferry, only a two minute drive. For further information on booking & ferry times see www.wightlink.co.uk or www.redfunnel.co.uk

- **By Bus:**

Fort Victoria is served by two bus routes, for time tables and linking routes see www.svoc.co.uk

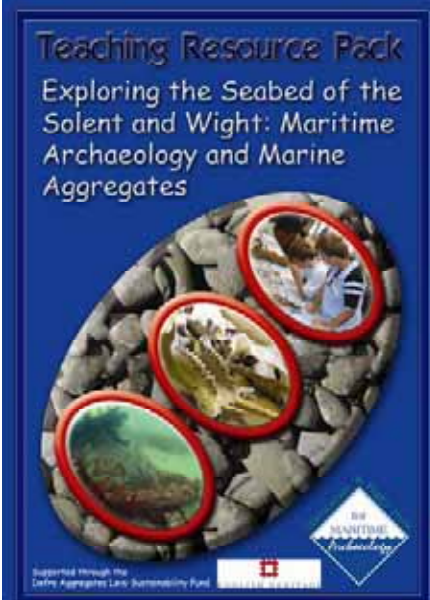
- **By Car:**

The Isle of Wight roads are very well signposted, from Newport follow signs to Yarmouth or Freshwater, then simply follow the brown signs to Fort Victoria Country Park.

Services for Schools



Free Educational Materials



Workshops

Assemblies

School Visits



Project ideas and Assistance



Activity days and Family Learning



Informal Learning

Education Aims

Education is integral to the ongoing work of Hampshire and Wight Trust for Maritime Archaeology. We will endeavour to promote interest, research, knowledge and learning opportunities in maritime archaeology through our collections, exhibitions, events programmes, outreach, dive trails and ongoing research projects.

Our Core Education Aims are to:

- Promote education and lifelong learning through interest, knowledge and fun.
- Become an Educational Resource for schools and Higher Education Facilities.
- Promote public and professional awareness of the HWTMA and the Underwater Archaeology Centre at Fort Victoria .
- Provide access to underwater landscapes and archaeological sites for both divers and non-diving visitors.
- Offer work experience and archaeological skills training to interested parties.
- Develop the Friends network and encourage social inclusion.
- Develop new audiences and encourage repeat visitation.



HWTMA aim to enthuse, educate and increase awareness of the maritime archaeology environment through working within the local community and an active schools programme.

To view the full Education Policy please visit:

<http://www.hwtma.org.uk/education/ouraim/educationpolicy.htm>



Educational Materials

Exploring the Seabed of the Solent and Wight: maritime archaeology and marine aggregate (Key Stage 2/3)



The Education Pack builds on the HWTMA's work to increase access to, and awareness of maritime heritage. HWTMA are delighted in being able to offer the pack free of charge and continue fulfilling the core aims of the charity. The pack is an excellent way for teachers to be able to make lessons more exciting whilst implementing the national curriculum.

'Exploring the Seabed of the Solent and Wight: maritime archaeology and marine aggregate' has been produced by the HWTMA for schools to help provide a resource for studying history. Due to the multidisciplinary nature of archaeology, the resource also provides other cross-curricular study opportunities, including amongst others, the core subjects; science, literacy and numeracy. The resource is designed to be used with Key Stages 2 and 3, with many of the activities encouraging the use of observational, interpretive, and reporting skills.

The pack is available on a loans basis and has three main focuses:

Artefacts

It is the accompanying artefacts that make this resource particularly exciting. Real and reconstructed artefacts, including ancient hand axes, pottery, nit combs, clay pipes and much, much more are contained within the pack for pupils to observe and handle.

Information

Teachers are provided with all written and pictorial resources that they will need to gain a full understanding of the subject, enabling them to successfully teach their pupils about the contents of the pack. The information is split into 6 main chapters and also includes information on the accompanying artefacts. Teachers and pupils will gain access to the exciting world of maritime archaeology and its relationship with industry without even having to step out of the classroom.

Activities

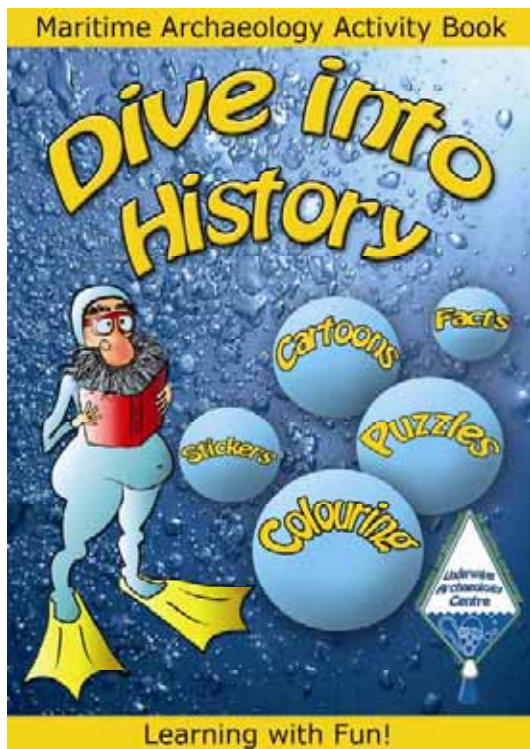
To make the most of the artefacts and the information, the pack is accompanied by activities that bring the artefacts to life and encourage pupils to observe, interpret and record just like a real maritime archaeologist. The activities are very varied and there is certainly something in the pack for everyone. Each activity is accompanied by a table indicating where it fits in with national curriculum targets, making the pack easy to use.

The pack and loans box are available free of charge from the HWTMA office. The pack can be downloaded from the HWTMA website to enable teachers to maximize the usefulness of the resource.

Educational Materials

Informal Learning Resources

HWTMA have been working to compliment their formal education resources with the production of two new informal resources.



Maritime Archaeology Activity Book

The activity book builds on the HWTMA's work to increase access to, and awareness of, maritime heritage. The imaginative activity book brings the fascinating subjects of Maritime Archaeology to a young audience for the first time through a series of fun activities. Children can learn about diving equipment, find out fantastic facts about underwater archaeology and spot the difference at the internationally important site of Bouldnor cliff!

We hope to expand this activity book into a series. Funding has just been secured for a Maritime Archaeology Activity Book focusing on the Hamble River. This will be designed to compliment the Hamble Archaeological Foreshore Companion which is also available from HWTMA and will be available late 2006.



Professor Archie O'Logy's Interactive Funworld CD

The Funworld CD has been developed to bring the fascinating world of maritime archaeology to a new, younger audience through the use of technology. The interactive CD use colourful graphics, flash animations, quizzes and videos to bring maritime archaeology to life and allow children to explore the subject at their own pace. The CD is available free of charge from the HWTMA office.

Workshops and Assemblies



Workshops

HWTMA have considerable experience providing workshops tailored to the needs of the individual school, at both primary and secondary level. Themed workshops related to Maritime Archaeology have been run as part of extra curricular weeks, gifted and talented summer schools and local history units. We are happy to tailor workshops to individual requirements. For an informal discussion please contact HWTMA.



Assemblies

HWTMA are available for school assemblies with wide ranging themes. Past assemblies include local history, enterprise, careers and maritime heritage. To discuss possible assembly themes please contact HWTMA.



Cost

HWTMA understand that schools have very small budgets available to them. However, we are a small charity with no funding available for school sessions. For assemblies we would ask for a small donation to cover travel expenses. However, a workshop takes us longer and we would ask for a small payment for our time. This is kept to a minimum and varies from workshop to workshop. Please contact us for more information.

Feedback

- **Maritime Archaeology Workshop**

'Gave the children a good insight into the valuable work of HWTMA. The children were fascinated, engaged and motivated. The workshop dovetailed well with local history units.'

Mr Irving, Head Teacher, Gomer Junior School (November 2005)

- **Gifted and Talented Week**

'A high standard learning experience which enabled staff and students to gain an insight into maritime archaeology. The response from students and parents was phenomenal.'

Martyn Cooper, Vice Principal, Da Vinci Community College (July 2006)

- **Enterprise Week Assembly**

'Enthusiastic and inspirational presentation . . . It was wonderful to hear someone so passionate about their work.'

Mrs Anderson, Assistant Principal, da Vinci Community College (November 2005)

Activity Days and Informal Learning

We are available to come to your school summer fair, open day or any other event to provide fun activities relating to maritime archaeology.

Activities we can provide include Ancient Technology Displays, fancy dress competitions, face painting, badge making, flag signalling, clay modelling of ancient boats and figureheads and even try dives!



Prices vary and are available upon discussion.

Useful Websites

Educational sites

www.hwtma.org.uk

The homepage for Hampshire and Wight Trust for Maritime Archaeology. Find out more about our work and download more copies of this pack.

www.nasportsmouth.org.uk

The pages of the Nautical Archaeology Society. Find out about the training courses they offer.

www.southampton.gov.uk/leisure/local-history-and-heritage/historical-records/titanic

This excellent site provides a wealth of information about the Titanic. It includes information, images and first hand accounts of the disaster as well as a comprehensive list of all the provisions taken aboard.

www.wisconsinhistory.org

Downloadable lesson plans and resources relating to the shipwrecks in the Great Lakes.

www.seaandlearn.co.uk

A SeaBritain 2005 driven maritime teaching resource containing lesson plans in all subject areas.

<http://www.epa.gov/globalwarming/kids>

Excellent United States Environmental Protection Agency children's site looking at global warming.

Fun sites

www.portcities.org.uk/london/timepirates

An excellent interactive site. Take a trip through time in London and try to solve the clues to save the day! There is also an excellent timeline and a Teachers area.

www.bbc.co.uk/history

A fantastic site with lots of interactive games and activities for children.

www.nmm.ac.uk

The homepage of the National Maritime Museum. Has lots of useful links including a kids section with lots of fun quizzes and puzzles to do online.

www.maryrose.org

Excellent site for the famous warship of Henry VIII's. Explore the ship and find out more about life on board and her crew through a series of fun pages.

www.digonsite.com

An online archaeology magazine aimed at kids. Articles are frequently updated, you can email in questions and there are frequent quizzes.

www.britarch.ac.uk/yac

The Young Archaeologists Club is the only club for 8–16 year olds interested in archaeology in the UK. The pages give full information of events and also launch an annual award open to anyone who is between 8 and 16.

www.smm.org/catal

Excellent website looking at the Neolithic site of Çatalhöyük in Turkey. Plenty to do including an excellent 'Meet the Archaeologists' section.

Feedback

Thank you for using the *Secrets of the Solent* Education Pack. Please take the time to fill in this form to help us continue improving this pack.

Name:

School:

Address:

Email:

	Strongly Agree	Agree	Don't Know	Disagree	Strongly Disagree
I found the Education Pack to be useful	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
There was a good variety of activities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I was able to use the activities in lesson plans	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The Education Pack was relevant to the National Curriculum	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The Education pack was a useful resource for studying history	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The Education Pack was a useful resource for literacy and numeracy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I would still use the Education Pack if there was a small fee	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I would recommend the Education Pack to other teachers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Is there anything else you would like to see included in future versions of the Education Pack?

Have you visited the Underwater Archaeology Centre at Fort Victoria? Yes / No

Would you like to be updated about future Educational developments at Hampshire and Wight Trust for Maritime Archaeology? Yes / No

Please return to:

Maritime Heritage Education Officer
Hampshire and Wight Trust for Maritime Archaeology
Room W1/95, National Oceanography Centre
Empress Dock
Southampton
SO14 3ZH