

CONTENT OVERVIEW

SECTION	CONTENT	SESE	ON SCREEN ANIMATIONS AND EXERCISES	PRINTABLE HANDOUTS
The Fleet				
<ul style="list-style-type: none"> ▪ The Fleet 	<ul style="list-style-type: none"> ▪ Descriptions of the individual fleet ships. -Arklow Wave -Arklow Wind -Arklow Willow -Greta C -Celtic Explorer -Celtic Voyager -Granuaile 	<ul style="list-style-type: none"> ▪ Knowledge and appreciation of Irish maritime commercial and research activities. ▪ Development of related vocabulary. ▪ Geographical location can be found using the FTF tracking technology. 	<ul style="list-style-type: none"> ▪ Arklow Wave ?? ▪ Greta C – click displays dimensions of ship ▪ Celtic Explorer – roll over displays names of ship parts ▪ Celtic Voyager – drag and drop ship part names ▪ All sections, including the following, have short Did You Know? piece. ▪ All link to ‘Follow the Fleet LIVE’ 	<ul style="list-style-type: none"> ▪
<ul style="list-style-type: none"> ▪ Parts of a ship 	<ul style="list-style-type: none"> ▪ Identity of various components of the ship: bridge, bow, stern, port, starboard, deck, engine room, galley 	<ul style="list-style-type: none"> ▪ Knowledge of traditional names of the parts of a ship; recognition of these components. ▪ Development of related vocabulary. ▪ Potential for design and make activities 	<ul style="list-style-type: none"> ▪ Roll over the name highlights the part on the ship 	<ul style="list-style-type: none"> ▪
<ul style="list-style-type: none"> ▪ Equipment and instruments 	<ul style="list-style-type: none"> ▪ Name and purpose of some of the main items of 	<ul style="list-style-type: none"> ▪ Knowledge of the common items of equipment and 	<ul style="list-style-type: none"> ▪ Scrolling scan of bridge equipment 	<ul style="list-style-type: none"> ▪

	equipment and instrumentation:	instrumentation on a ship and an understanding of function and purpose. <ul style="list-style-type: none"> ▪ Cross linkages with materials, concepts of force, magnetism and electricity. ▪ Development of related vocabulary ▪ Potential for design and make activities 		
▪ Sail, steam, motors	▪ Brief history of development from sail to steamship and then to motor driven vessels.	<ul style="list-style-type: none"> ▪ Appreciation of the evolution of technology. ▪ Knowledge and understanding of motive forces - wind; steam engine and internal combustion engine. ▪ Potential for design and make activities 	<ul style="list-style-type: none"> ▪ The Did You Know? here gives some interesting historical and scientific information. ▪ 10 Question True or False 	▪
▪ Summary			<ul style="list-style-type: none"> ▪ 10 Question True of False ▪ Drag and drop to build ship 	▪

The Crew				
	▪ Description of the role and	▪ Knowledge of these		▪

	function of <i>Captain, Cook, Engineer Officer</i> and <i>Seaman</i> .	important maritime jobs and associated skills. <ul style="list-style-type: none"> ▪ Appreciation of the everyday work that is conducted on a ship. 		
▪ Summary			<ul style="list-style-type: none"> ▪ 10 Question True or False ▪ 5 Question Multiple Choice 	▪

Cargo				
	<ul style="list-style-type: none"> ▪ Description of some of the common cargo carried by our merchant vessels: -Wood -Wheat -Steel -Refrigerated Cargo -Hazardous materials and other cargo ▪ The function of cruise ships. 	<ul style="list-style-type: none"> ▪ Knowledge of these important types of cargo . ▪ Appreciation of the commercial importance of cargo ▪ Appreciation of the cruise ship as a major contributor to tourism and leisure. 	<ul style="list-style-type: none"> ▪ Video of wood being loaded in Indonesia ▪ Video of crane loading cargo ▪ Animation sequence of wheat growing ▪ Video of crane unloading ship ▪ Drag and drop cargo names onto images ▪ Video of containers being loaded at Aalborg port. ▪ Drag and drop titles of hazard signs. ▪ Vide of ferries in dry dock in Belfast. 	▪
▪ Summary			<ul style="list-style-type: none"> ▪ 10 Question True or False 	▪

Ports				
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<ul style="list-style-type: none"> ▪ Ports 	<ul style="list-style-type: none"> ▪ Descriptions of some of the ports used by the fleet. ▪ These are provided in groups: <ul style="list-style-type: none"> - Belgium, Denmark, Netherlands and Germany - France, Portugal, Spain and Morocco - Ireland - UK 	<ul style="list-style-type: none"> ▪ Understanding of ports as examples of natural and built environments and important trading centres. ▪ Knowledge and appreciation of other countries and societies and global diversity ▪ Geographical location of the ports can be found using the FTF map. 	<ul style="list-style-type: none"> ▪ Web cam video 24 hour sequence at Galway harbour. ▪ Video sequence unloading ship at Dublin port. 	<ul style="list-style-type: none"> ▪
<ul style="list-style-type: none"> ▪ Summary 			<ul style="list-style-type: none"> ▪ 10 Question True or False 	<ul style="list-style-type: none"> ▪

The Weather				
	<ul style="list-style-type: none"> ▪ Descriptions of various types of weather using the standard Beaufort Scale descriptions for the following conditions: <ul style="list-style-type: none"> - <i>Calm</i> - <i>Moderate Breeze</i> - <i>Strong Breeze</i> - <i>Gale</i> - <i>Storm</i> - <i>Hurricane</i> ▪ The Beaufort Scale of Wind Force ▪ Information re weather forecasting and examples of forecasts 	<ul style="list-style-type: none"> ▪ Knowledge of weather types and Beaufort Scale description for various conditions. ▪ Knowledge on the origin and application of the Beaufort Scale of Wind Force. ▪ Appreciation of the impact of the weather on maritime activities. ▪ Knowledge and understanding of the language of weather forecasting. ▪ Development of related vocabulary 	<ul style="list-style-type: none"> ▪ Listen to weather forecast. ▪ Animation sequence How Waves are Formed. ▪ Animation sequence Why is the Sea Blue? ▪ Animation sequence What is Thunder? ▪ Drag and drop weather descriptions to images of sea. ▪ Video Hurricane form Above. ▪ Drag and drop weather descriptions to images 	<ul style="list-style-type: none"> ▪
<ul style="list-style-type: none"> ▪ Summary 			<ul style="list-style-type: none"> ▪ 5 Question Multiple Choice 	<ul style="list-style-type: none"> ▪

Ireland and the Sea				
	<ul style="list-style-type: none"> ▪ This section provides wide scope for activities and discussion of geographical, historical, societal and scientific topics. These are eight sub-sections as listed below. 		<ul style="list-style-type: none"> ▪ All the following sections contain interesting Did You Know? Pieces offering a range of historical and scientific facts. 	<ul style="list-style-type: none"> ▪
<ul style="list-style-type: none"> ▪ The sea in Celtic mythology 	<ul style="list-style-type: none"> ▪ The sea and seafaring in our folklore. ▪ Mythical figures such as Manannan Mac Lir, sea god of the Tuatha De Dannan. ▪ Reference to Niall of the Nine Hostages and St. Patrick. 	<ul style="list-style-type: none"> ▪ Knowledge of early Irish history and folklore. ▪ Appreciation of the sea as a major influence on the culture. 		<ul style="list-style-type: none"> ▪
<ul style="list-style-type: none"> ▪ Seafaring monks 	<ul style="list-style-type: none"> ▪ The famous Irish monks who traveled by sea as missionaries. ▪ St Colum Cille; Brendan the Navigator. 	<ul style="list-style-type: none"> ▪ Knowledge of the major influence of Irish missionaries. ▪ The amazing feats of Brendan. 		<ul style="list-style-type: none"> ▪
<ul style="list-style-type: none"> ▪ Invaders came in ships 	<ul style="list-style-type: none"> ▪ The coming of the Danes and Norse. ▪ Settlements in the seaport towns of Ireland. ▪ Diarmuid McMorrough, the Normans and Henry II. 	<ul style="list-style-type: none"> ▪ Appreciation of the vulnerability of a small island nation to invasion by sea. ▪ Understanding of the foundation and evolution of later historical events. 		<ul style="list-style-type: none"> ▪

<ul style="list-style-type: none"> ▪ Famous Irish sailors 	<ul style="list-style-type: none"> ▪ Short biographies of the following Irish seafarers and explorers: <ul style="list-style-type: none"> -St. Brendan the Navigator -Commodore John Barry -Admiral Sir Francis Beaufort -Admiral William Brown -John Philip Holland -Ernest Henry Shackleton -Tom Crean -Grace O'Malley -Sir Robert Le Mesurier McClure -Captain Robert Halpin 	<ul style="list-style-type: none"> ▪ Knowledge of the contribution of Irish sailors and explorers to the affairs of their time. ▪ Appreciation of the adventurous and exploratory spirit that drove many of them. 		<ul style="list-style-type: none"> ▪
<ul style="list-style-type: none"> ▪ The Great Irish Famine 	<ul style="list-style-type: none"> ▪ Overview of the Famine of 1845-1850. ▪ Impact on the population. ▪ Destinations of emigrants. 	<ul style="list-style-type: none"> ▪ Knowledge of the impact of the Famine and its effect on demographics. 		<ul style="list-style-type: none"> ▪
<ul style="list-style-type: none"> ▪ Ireland and Newfoundland 	<ul style="list-style-type: none"> ▪ Location and demography of Newfoundland. ▪ The Ireland Newfoundland Partnership founded on historical links 	<ul style="list-style-type: none"> ▪ Appreciation of the role of Newfoundland as a destination for Famine emigrants and the evolution of ongoing relationships between countries. 		<ul style="list-style-type: none"> ▪