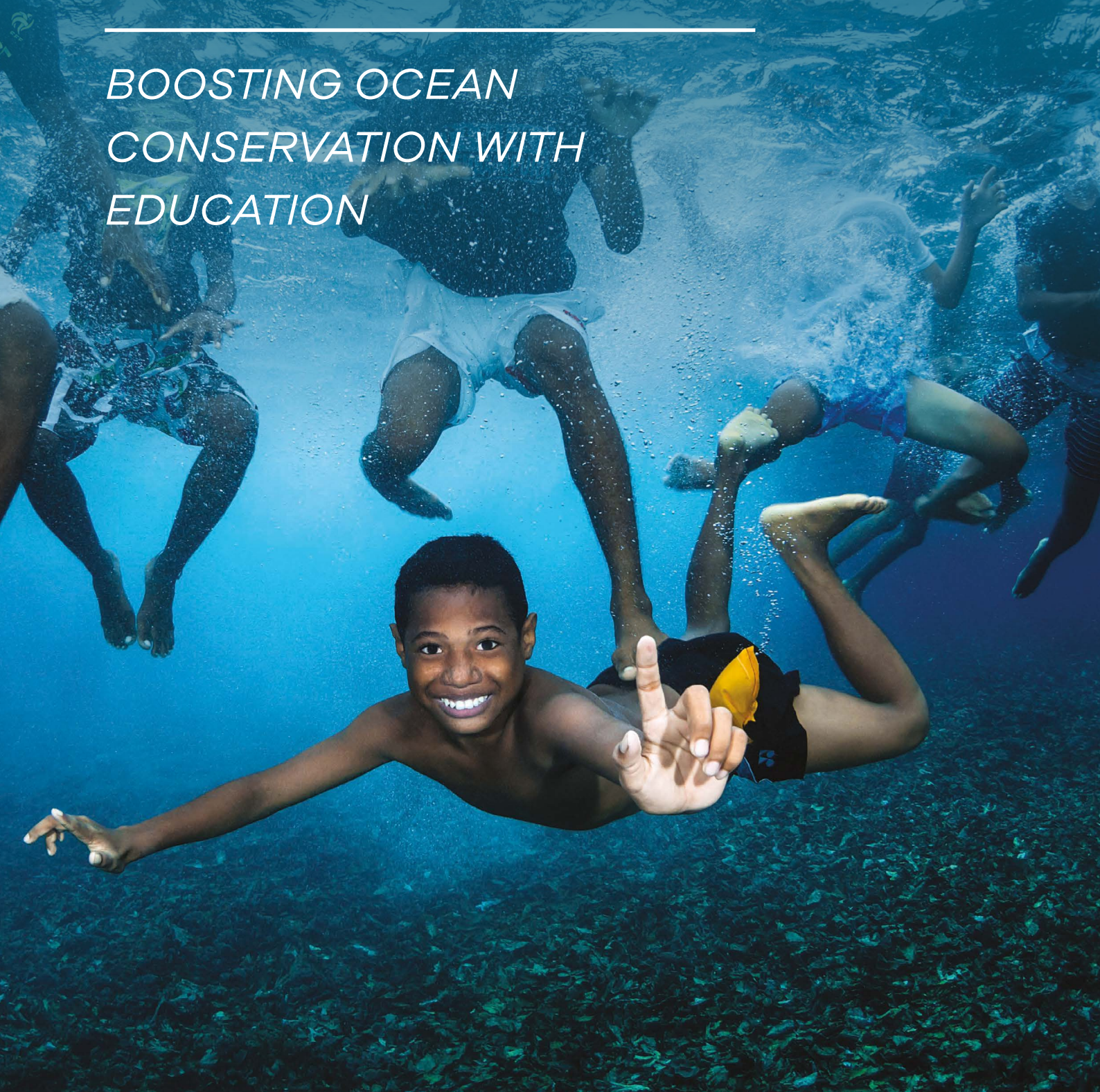




BLUE MARINE
FOUNDATION

BLUE OCEAN LEARNING TOOLKITS

*BOOSTING OCEAN
CONSERVATION WITH
EDUCATION*



CONTEXT AND OVERVIEW

Blue Marine Foundation is on a mission to ensure 30 per cent of the world's ocean is under effective protection by 2030 and to see the sustainable management of the whole ocean. We work in partnership to effectively deliver marine conservation and restoration solutions to the climate and biodiversity crisis. At the heart of our work and integral to its success is community engagement. This is made possible through Blue Marine's specialised education unit 'Blue Education' which was set up to connect people with the ocean.

We want to educate and inspire people of all ages to become ocean advocates. We work closely with our partners in specific locations to develop relevant, needed and engaging education resources to complement and bolster the conservation aim of the project. It is well known that conservation efforts are more successful with local community input, support and understanding. Blue Education is working at Blue Marine project sites to create hands-on education programmes designed specifically to maximise benefits for local communities and to increase the impact and long-term sustainability of conservation work.

- **Blue Ocean Learning Toolkit (BOLT):** Inspired by the international discourse for promoting ocean literacy, Blue Education seeks to support the creation of context specific BOLTs in our project locations around the world.
- By supporting contextualised marine education, to be delivered in parallel to Blue Marine's conservation projects, we aim to strengthen MPA management in the long term.
- A BOLT is aimed to be used in areas where our partners report a weak connection between communities and the ocean and where there are noticeable gaps related to marine topics being taught in schools.

How does it work?

- A collaborative workshop is held in the project location to share current knowledge and locally relevant educational content across the seven IOC-UNESCO Ocean Literacy Principles.
- The workshop attendees will represent both formal and informal education providers, Ministries of Education, university representatives, local experts and conservation NGOs.
- Informed by this workshop Blue Education and our project partners will co-develop this teaching and learning resource which will contain guidance for educators with the aim of enriching and securing geographically relevant marine education at a local, regional and even national level.
- Working with education providers on the ground, Blue Marine will also contribute towards the development of Specific, Measurable, Achievable, Relevant and Time-bound (SMART) lessons inspired by the BOLT to roll out the approach in local schools and outreach events during its pilot year.



**OCEAN EDUCATION IS KEY TO
LONG-TERM CONSERVATION SUCCESS.**

BLUE MARINE'S STRATEGIC GOALS

-  **1** Restore vital ecosystems
-  **2** Tackle overfishing, supporting sustainable, equitable use of the ocean
-  **3** Secure effective protection of the ocean

We recognise as an organisation these strategic goals are not achievable without long-term community buy in and understanding. This is why we have created BOLTs to inspire connectivity to the ocean with four key aims linked to our organisational goals.

AIMS OF BLUE OCEAN LEARNING TOOLKITS:

TO CREATE

context specific, curriculum aligned education programme that links to **Blue Marine's three goals** and uses local conservation work as case studies.

TO SUPPORT

educators, learners and key stakeholders with innovative tools, methods and resources to **understand the ocean and how they can help to protect it.**

TO UNITE

and strengthen local, regional and global partnerships by sharing ideas and experiences, **developing new approaches and boosting the accessibility of ocean education.**

TO AMPLIFY

the importance of education for community engagement within Blue Marine's conservation projects through a variety of **national and international press coverage and social media platforms**



A BOLT IS AIMED TO BE USED IN AREAS WHERE OUR PARTNERS REPORT A WEAK CONNECTION BETWEEN COMMUNITIES AND THE OCEAN.

IOC-UNESCO'S 7 ESSENTIAL PRINCIPLES OF OCEAN LITERACY

The establishment of the UN Ocean Decade has created an international impetus for ocean literacy. Within this work, UNESCO has advocated for greater ocean literacy using:
A new blue curriculum: a toolkit for policy-makers.

These guiding principles serve as a useful framework for building the content for our BOLTs.



1 The Earth has one big ocean with many features.



2 The ocean and life in the ocean shape the features of Earth.



3 The ocean is a major influence on weather and climate.



4 The ocean makes Earth habitable.



5 The ocean supports a great diversity of life and ecosystems.



6 The ocean and humans are inextricably interconnected.



7 The ocean is largely unexplored.

ROADMAP TO REACHING A SUCCESSFUL OCEAN LEARNING TOOLKIT:

- 1** Blue Education connects with local partners working alongside Blue Marine's conservation projects to ascertain scope for a BOLT.



- 2** Blue Education will communicate with the local partners to establish a 'Toolkit working group' (TWG).



- 3** The TWG will conduct a curriculum audit and clarify the existing curriculum areas where the toolkit can be applied.



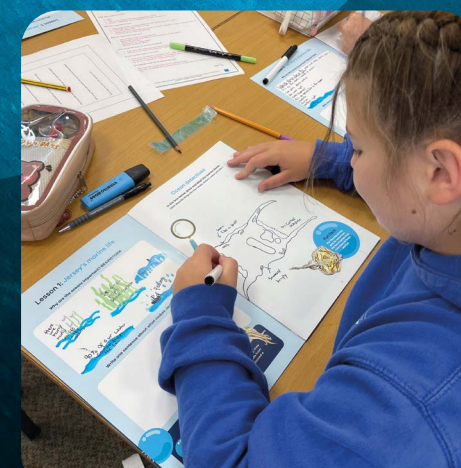
- 4** A timeframe for the toolkit development will be discussed and will include clear objectives for a long-term approach, identifying measurable indicators of change.

- 5** Following a signed partnership agreement, the first of two collaborative, consultative workshops will be arranged by the local partners to gather locally relevant content and ideas for activities linked to Blue Marine's conservation project and within the framework of the seven principles of ocean literacy.

- 8** Once a first draft is created, the TWG will present it to the relevant education ministries for feedback and recommendations on how the BOLT can most meaningfully be used in schools as part of the curriculum or within extra curricula timetables.

- 7** Blue Education will support this draft with feedback and activity/assessment suggestions while also ensuring a clear connection to Blue's local marine conservation efforts.

- 6** Following learnings and feedback from Workshop 1, the local partners will begin drafting the BOLT, incorporating the relevant case studies, infographics and activities.





9 Parallel to these integration efforts, the TWG will recommend education **facilitators/ocean coaches** to deliver classes based on the toolkit to schools across the country during its first pilot year.



10 **Workshop 2** will be arranged to present the final version to the original collaborators and will also be an opportunity for the selected education facilitators to offer training sessions for teachers to effectively use the toolkit.



11 **LAUNCH** – the BOLT is translated and launched.



12 Pilot lessons will take place in selected schools and education centres where we will gather feedback for improvements in line with the agreed monitoring and evaluation framework.

16 Blue Education will work with the TWG to **monitor and evaluate the degree of ongoing engagement**, interaction, effectiveness and usage with the BOLT over two years.

15 A **BOLT Online Forum** is created to motivate engagement and raise publicity for the participating schools as well as usefully connecting teachers globally to collaborate and share recommendations for best utilising the toolkit, future seminars, content updates, Ocean Champions etc.

14 We will work together to establish an **effective feedback mechanism**.

13 **Full Rollout** will begin – copies of the BOLT will be printed and distributed to local/regional/national schools depending on capacity.



/// BLUE EDUCATION SEEKS TO SUPPORT THE CREATION OF CONTEXT SPECIFIC BOLTS IN OUR PROJECT LOCATIONS AROUND THE WORLD.



OCEAN LEARNING TOOLKIT

PLANNING SECTION:

Use this space to consider which background information, learning objectives, case studies and activity ideas could be utilised to best exemplify the 7 Ocean Literacy Principles:



1 The Earth has one big ocean with many features.



2 The ocean and life in the ocean shape the features of Earth.



3 The ocean is a major influence on weather and climate.



4 The ocean makes Earth habitable.



5 The ocean supports a great diversity of life and ecosystems.



6 The ocean and humans are inextricably interconnected.



7 The ocean is largely unexplored.

USEFUL LINKS FOR DEVELOPING EDUCATIONAL ACTIVITIES BASED ON THE 7 OCEAN LITERACY PRINCIPLES:

- 1. The 7 principles of ocean literacy – UNESCO
<https://oceanliteracy.unesco.org/principles>
- 2. Ocean Literacy: The Essential Principles and Fundamental... – UNESCO
<https://oceanliteracy.unesco.org/resource/ocean-literacy-the-essential-principles-and-fundamental-concepts-of-ocean-sciences-for-learners-of-all-ages-2020>
- 3. Guide to Teaching Ocean Literacy in Australia
<https://www.oceanlifeeducation.com.au/guide-to-teaching-ocean-literacy-in-australia>
- 4. Ocean Literacy Scope and Sequence for Grades K-12 – UNESCO
<https://oceanliteracy.unesco.org/resource/ocean-literacy-scope-and-sequence-for-grades-k-12>
- 5. Ocean Literacy – UNESCO
https://oceanliteracy.unesco.org/wp-content/uploads/2020/09/OceanLiteracyGuide_V3_2020-8x11-1.pdf
- 6. 20 Digital Tools for Classroom for Innovative Teachers & Students (graphicmama.com)
<https://graphicmama.com/blog/digital-tools-for-classroom/#visme>

A BLUE OCEAN LEARNING TOOLKIT FOR

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