

SharkLab LIVE! FREE EASTER EVENTS

Tues 12APR22
11:00-15:00

Wed 13APR22
11:00-15:00

VENUE:
Yaverland Sailing Club
Free Parking on site
for event visitors

Baby Shark Bites! Citizen Science Drop-in Workshop

Become a SharkLab Technician for the day and learn about the Sharks, Rays and Skates that live in the Bay and receive a SharkLab Badge and Certificate at the end.

Fun Hands-on Citizen Science Experiments; expect to get a little wet as we explore the undersea world of a baby shark.

***Do we have sharks in Sandown Bay? What is a shark? How are they born?
Are they big enough to eat you? How can we look after them?***

You'll never look at Sandown Bay in quite the same way again!

Shark + Seahorse 3D Card Model Making Citizen Science Drop-in Workshop

Use creative card modelling techniques to create 3D models of your favourite sea characters such as Sharks, Seahorses, Rays, Starfish, Mermaids' Purses, Crabs and Turtles...let your imagination run sea wild!

Donations welcome to help cover material costs!
Suitable for families and adults of all ages.
All children must be accompanied by an adult.

Accessibility:

Yaverland Sailing Club is fully equipped and wheelchair/ pushchair accessible.
Free parking on site for event visitors only.
Teas, coffees and squash available throughout the day, for a £1 donation.



Thurs 14APR22
11:00-15:00

VENUE:
Yaverland Sailing Club
Free Parking on site
for event visitors

SharkLab LIVE! FREE EASTER EVENTS

Geology in a Jar

Citizen Science Drop-in Workshop

The island is special, we all know that...but HOW special?

Why doesn't our island sink into the sea?

This lump of rock that we all float on is special because it is made up of different layers of hard materials that have been forged during a chaotic geological time warp.

So we are going to capture a slice of our mini island in a time capsule so you can take it home with you.

Bring your own Jam or Coffee Jar with screw top lid, just in case we run out!

Donations welcome to help cover material costs

Suitable for families and adults of all ages.

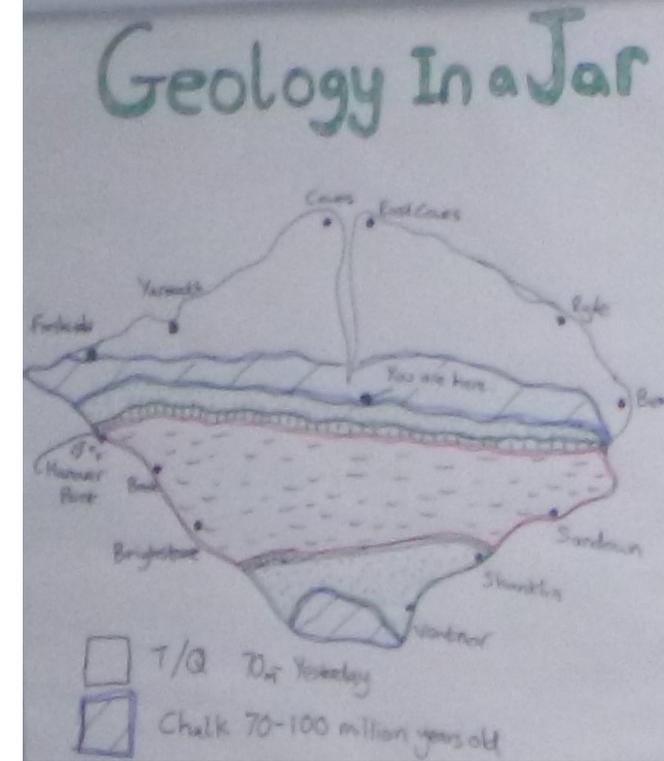
All children must be accompanied.

BIOBLITZ BEACH SURVEYS: Shark Eggcase Surveys and Project Seagrass Citizen Science Drop-in Workshop

Drop-in to discuss and find out how to become a Citizen Scientist and explore with the SharkLab team how you can become Involved in these exciting and 'live' citizen science projects.

Become a Citizen Scientist and help survey our coastline; islanders and holiday visitors are welcome to join in with SharkLab LIVE Survey Events, which are planned for Week 2 of the Easter Holidays: Tues 19th – Sun 24th April 2022.

We'll show you how to hunt, identify and record your findings so that they can be added to live scientific databases. Your Citizen Scientist contributions will significantly aid the SharkLab in monitoring and assessing the health of Sandown Bay which is a Marine Conservation Zone (MSC) and is known as 'the Jewel of Hampshire'.



BOOKING ESSENTIAL

SURVEY 1:

Tue 19APR22

Suitable for All

09:30 - 12:30

SHANKLIN

Small Hope Beach

SURVEY 2:

Wed 20APR22

Suitable for All

10:00 - 13:00

SHANKLIN:

Small Hope Beach

SURVEY 3:

Thu 21APR22

Suitable for All

11:00 - 14:00

SANDOWN PIER

SURVEY 4:

Fri 22APR22

Suitable for All

12:00 - 15:00

SANDOWN PIER

SURVEY 5:

Sat 23APR22

ADULTS ONLY 18+

09:15-13:00

YAVERLAND Car Park

SURVEY 6:

Sun 24APR22

ADULTS ONLY 18+

18+10:30-13:30

SHANKLIN:

Lazy Wave Cafe

INTERESTED? WANT TO JOIN A BIOBLITZ EASTER BEACH SURVEY?

IF SO, SIGN UP FOR SHARKLAB'S FREE EASTER BIOBLITZ BEACH SURVEYS!

There are 6 BioBlitz Beach Surveys to choose from, which are scheduled from:
Tues 19APR until Sun 24APR 2022

Guided By: Blue Seas Protection SharkLab Team

If you would like to join a Free Beach Survey led by the SharkLab Team, just register [for free] to take part in the week long Shark Eggcase + Seagrass surveys.

You can join in for as little or as long as you want including part-days, full days or every day! Just let us know that you're coming along so that we can ensure we bring enough equipment to cater for you or to contact you if the survey is cancelled due to bad weather or unforeseen circumstances.

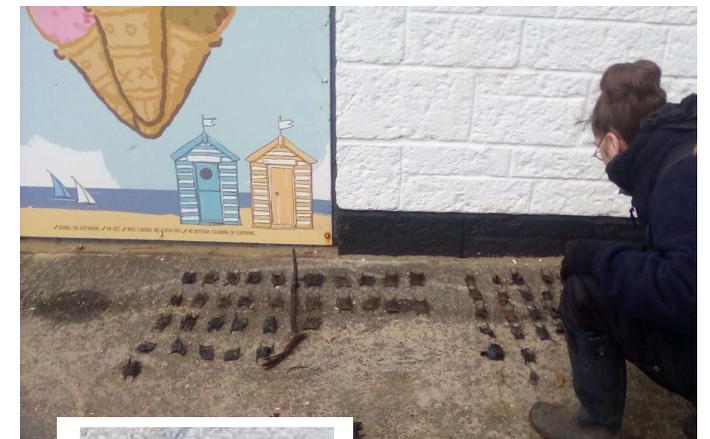
Suitable for all! The surveys conducted on Tues 19th, Wed 20th, Thurs 21st and Fri 22nd are all suitable for families with younger children and those with mobility or health challenges, as the Survey areas are located close to cafes with refreshments, toilets and also border the esplanade for easy access or if you would just like to watch or help collating + recording the 'finds' of the Hunters from the sidelines.

Adults Only Surveys: The surveys conducted on Sat 23rd and Sun 24th April 2022, are only suitable for adults [18+], as we will be aiming to survey 2 rocky headland areas at low tide.

Book your place by contacting the SharkLab, with your preferred Survey Date, Contact Name (first name only), Mob/Tel.no + Number of children under 18yrs / Adults attending to:

Email: SharkLabBSP@gmail.com

Office: 01983 400767



MERMAID'S PURSE

'MERMAID'S PURSE'

This is what we are hunting!

This is the eggcase for a Thornback Ray which is a type of Shark! The eggcase is leathery and has a distinctive frill + horns...you may know it as a 'Mermaid's Purse'!

Tue 19APR22
09:30 - 12:30

Sandown

Low Tide: 07:17

High Tide: 13:36

Meet at:

Lazy Wave Cafe,
Shanklin [End of
Esplanade, just before
Shanklin Chine
Entrance]

Survey from:

Fisherman's Cottage -
Shanklin

To: Small Hope Beach
Car Park - Shanklin

Survey Distance:

0.5 miles [10 Sections]

Wed 20APR22
10:00 - 13:00

Sandown

Low Tide: 08:01

High Tide: 14:25

Meet at:

Salix Cafe – Small Hope
Beach, Shanklin

Survey from:

Small Hope Beach

To: Trade Winds Cafe,
Shanklin

Survey Distance:

0.7 miles [11 Sections]

SharkLab LIVE! BIOBLITZ: Shark Eggcase + Seagrass Beach Survey

Booking Essential: FREE EVENT+ Weather Dependent

Are you a budding young Citizen Scientist?

Or is there a burning Scientist buried within you just waiting to burst out!

If so, Release Your Inner Scientist and join us for an intensive SharkLab LIVE! BIOBLITZ Beach Survey covering 6 days along the beautiful Sandown and Shanklin Shorelines.

Come along for as little or as long as you like, on any or all of the Survey Days and help Blue Seas Protection's SharkLab conduct a LIVE Real-time Scientific Survey of Sandown and Shanklin Beaches.

Our Survey Mission: To hunt for Shark Eggcases [Mermaid's Purses] and search for evidence of Seagrass along our shoreline.

Why Hunt for Eggcases? This is the season to find Shark Eggcases and by surveying the shoreline will enable the SharkLab to assess the quantities of Shark Skates and Cat Sharks [Dog Fish] potentially released into Sandown Bay this year. Undulate, Spotted and Thornback Rays are globally endangered and are related to sharks...So we are technically Hunting Sharks!

We are fortunate to have breeding shark species colonies within the bay, and by surveying + counting Mermaid's Purses/Eggcases that wash up along Sandown Bay monthly, will enable the Shark Lab team to assess the health of the Shark population living beside us, log the annual hatchling count and add to our database and The Sharks Trust website database.

Does Seagrass Grow in Sandown Bay? We don't know, so we want to answer this question, as seagrass is a perfect place for Ray pups to live in. But does Seagrass grow in the bay and if not, why not?

All sightings of seagrass during the surveys will be photographed and uploaded onto The Seagrass Project citizen science website, to help scientists from Swansea University collate the data.

Practicalities: Suitable for all! The surveys will be led by Blue Seas Protection SharkLab team: all equipment will be provided, so please ensure you book a place for yourself, your group or family to help us ensure we bring enough equipment and for Health + Safety reasons. Please wear waterproof boots, and weather appropriate clothing, as there are rocks + rock pools as well.

Bring a camera to snap your finds! [Optional]



Image credit: SharkLab Technician on Mar22 Culver Cliff Survey
©Blue Seas Protection 2022



Noltii Seagrass prefers shallow seas

Image Credit: [tgardiner](#)
[SeagrassSpotter.org](#)

Seagrass: Zostera NoltiiSouth-end-on-sea

Examples of: Noltii which lives in shallow waters and Marina which prefers deeper seas. Both have been found in patches around the Isle of Wight, we want to find more so...**Join us on SharkLab's Seagrass Hunt to Find Noltii and Marina!**

Seagrass: Zostera MarinaGwynedd – Marina prefers deeper sea
Image Credit: Ben
[JonesSeagrassSpotter.org](#)



Thu 21APR22

11:00 - 14:00

Sandown

Low Tide: 08:48

High Tide: 15:24

Meet at:

Remembrance
Memorial Monument
[near to Sandown Pier]

Survey from:

Memorial Monument
To: Fins Cafe, Sandown

Survey Distance:

0.5 miles
[11 Sections]

Fri 22APR22

12:00 - 15:00

Sandown

Low Tide: 09:42

High Tide: 16:29

Meet at:

Remembrance
Memorial Monument
(near to Sandown Pier)

Survey from:

Memorial Monument
To:
Blue Tiki Cafe
[Brown's Golf Club]

Survey Distance:

0.6 miles [11 Sections]

Join our Volunteer Crew of Shark Hunters, Recorders + Imagers!

The SharkLab Citizen Science 'BioBlitz Shark Eggcases + Seagrass Beach Surveys', which will be conducted on Tues 19th, Wed 20th, Thurs 21st and Fri 22nd April 2022, are suitable for families with younger children and for those with mobility or health challenges.

SharkLab needs the following 'Crew' volunteers for each BioBlitz Survey:

'Shark Hunters'	to find the eggcases + sea grass
'Shark Recorders'	to count + record the finds on a form
'Shark Imagers'	to photograph the 'finds'

Once the Survey information is collected, the Shark Lab Technician can upload the data + images onto the SharkLab's local database along with The Shark Trust's and The Seagrass Spotter online databases. The information you find, record or image will ultimately be added to Live Scientific research locally, nationally and globally to help support research into these endangered species!

The BioBlitz Survey Section areas are located close to cafes with refreshments, toilets and also border the esplanade for easy access or if you would just like to watch or help collating, recording or imaging the 'finds' of the Survey Hunters from the sidelines / esplanade. So come along and take part in LIVE Citizen Science on your beach!

Suitable for families, adults and dogs welcome!

HOW TO SIGN UP FOR SHARK LABS BIOBLITZ BEACH SURVEYS

Scheduled for:

Tues 19APR, Wed 20APR, Thurs 21APR, Fri 22APR, Sat 23APR + Sun 24APR 2022

Location: Sandown Bay Led By: Blue Seas Protection SharkLab Team

All participants must register to take part in the SharkLab's 'BioBlitz Shark Eggcase + Seagrass surveys'.

The surveys will be for approx. 3hrs per day BUT you can join in for as little or as long as you want including part-days, full days or every day! Just let us know that you're coming along so that we can ensure we bring enough equipment to cater for you or to contact you if the survey is cancelled due to bad weather or unforeseen reasons.

Book your place by contacting the SharkLab, with your preferred Survey Date, Contact Name [First Name only] + Tel.no + Number of children under 18yrs / Adults attending in your group to:

Email: SharkLabBSP@gmail.com **Office:** 01983 400767



WANTED: SHARK EGG + SEAGRASS HUNTERS!

*Come + learn how Hunt and find Shark eggs + sea grass.
Learn how to ID, record + image your 'special finds'
Become a Citizen Scientist + contribute to Live Research*



Mermaid's Purses Recorded + Imaged!

Image credits: SharkLab – ©Blue Seas Protection 2022

WANTED: RECORDERS + IMAGERS NEEDED!

*28 Thornback Rays: 1 Spotted Ray
1 Goose Barnacle: 1 Dog Tennis Ball*

Sat 23APR22

'ADULTS ONLY 18+'

Meet at:

09:15 for a 09:30 start

End: 13:00

Sandown

Low Tide: 10:50

High Tide: 17:35

Meet at:

Yaverland Car Park

Survey from:

Yaverland Car Park

To: Culver Cliff +

Horseshoe Bay

Total Distance:

2 miles [3 Sections]

SharkLab LIVE! BIOBLITZ: Shark Eggcase + Seagrass Beach Survey

Booking Essential: FREE EVENT+ Weather Dependent

Calling all 18+ Adults: Release Your Inner Scientist and become a Big Kid again!

This Survey is for adults only as this section is unsuitable for children or dogs, as we will be aiming to reach Horseshoe Bay before the tide comes in!

SURVEY DESCRIPTION: At the base of Culver Cliff is a rocky shoreline which leads around the headland to Horseshoe Bay. SharkLab has never surveyed Horseshoe Bay before, so it will be very exciting to find out whether Shark Eggcases collect there and whether any Seagrass grows there.

We need to leave Yaverland Car Park at 09:30am prompt, in order to give us enough time to survey Horseshoe Bay thoroughly, as Low Tide is at approx: 10:50

Bring Flasks and Snacks, sturdy boots and dress for the weather, plus a *Camera to snap your finds [*optional]!

Book your place by contacting the SharkLab, with your preferred Survey Date, Contact Name [first name only] , Mob/Tel.no + Number of Adults {18+} attending to:

Email: SharkLabBSP@gmail.com **Office:** 01983 400767

Sun 24APR22

'ADULTS ONLY 18+'

10:30-13:30

Sandown

Low Tide: 12:12

High Tide: 18:59

Meet at:

The Lazy Wave Cafe,
SHANKLIN

[End of Esplanade, near
Shanklin Chine Entrance]

Survey from:

Luccombe Headland

To: Lazy Wave Cafe

Survey Distance:

0.5 miles [9 Sections]

SharkLab LIVE! BIOBLITZ: Shark Eggcase + Seagrass Beach Survey

Booking Essential: FREE EVENT+ Weather Dependent

Calling Young + Old Adults: Release Your Inner Scientist!

This Survey is for adults only as this section is unsuitable for young children or those with mobility or health challenges [unless you know this area well]; dogs welcome but bring a supply of dog water. We will be aiming to reach the headland of Luccombe Bay at low tide!

Bring Flasks, Snacks, Sturdy Boots and dress for the weather!

Book your place by contacting the SharkLab, with your preferred Survey Date, Contact Name [first name only] , Mob/Tel.no + Number of Adults {18+} attending to:

Email: SharkLabBSP@gmail.com **Office:** 01983 400767



**BioBlitz Beach Survey on Sat 23APR22
Area 4: Base of Culver Cliffs**



**BioBlitz Beach Survey on Sun 24APR22
Area 1: Luccombe Headland to Lazy Wave Cafe**



What lives inside a Mermaid's Purse!

Beautiful Baby Juvenile Thornback Ray Skates are known as 'Pups' and are only as big as your hand after hatching out of a Mermaid's Purse!

Once 'hatched, the 'Pups' swim + walk about in Sandown Bay + need sea grass + seaweed to hide, feed, grow + breed in.

Why is the SharkLab conducting Beach Surveys?

Sandown Bay is a 'Marine Conservation Zone' [MCZ], and some Shark Ray species that we have in Sandown Bay are globally endangered. However, the Bay appears to have breeding colonies of some of these endangered Shark Ray Skates and by counting the Mermaid's Purses that we find, will enable us to monitor how healthy the population is from year to year.



Thornback Ray Pup's Topside!

The eyes are on top of its head, a bit like a crocodile...

Image credit:
Jochen David, WoRMS



Thornback Ray Pup's underside!

Note: the 'eyes' are actually the nose
And they even have small legs to walk on the sea floor. Soooo cute!

Image credit:
Jochen David, WoRMS