



iBiome

iBiome-Ocean

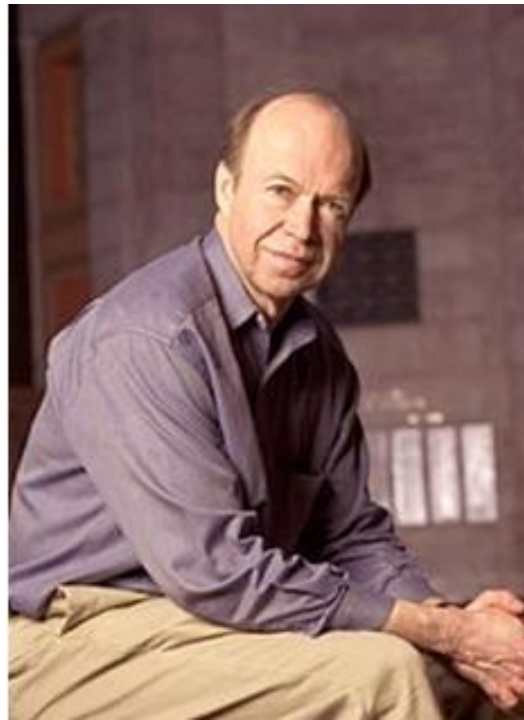
iBiome-Wetland

Teach Biodiversity Through Building Virtual Interactive Bio Domes

Springbay Studio Ltd.

Committed to making great educational games to help people appreciate and understand the beauty of the natural world that surrounds them.

Connected with the environmental cause

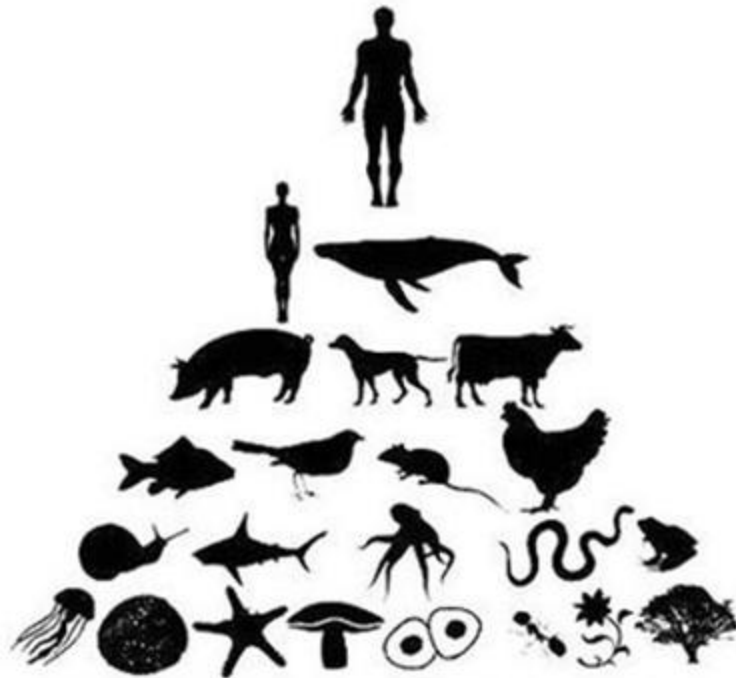


How can we make it?



Credit: <http://every-day-is-special.blogspot.com/>

A game about ecosystems



WRONG



RIGHT

Credit: theDodo.com

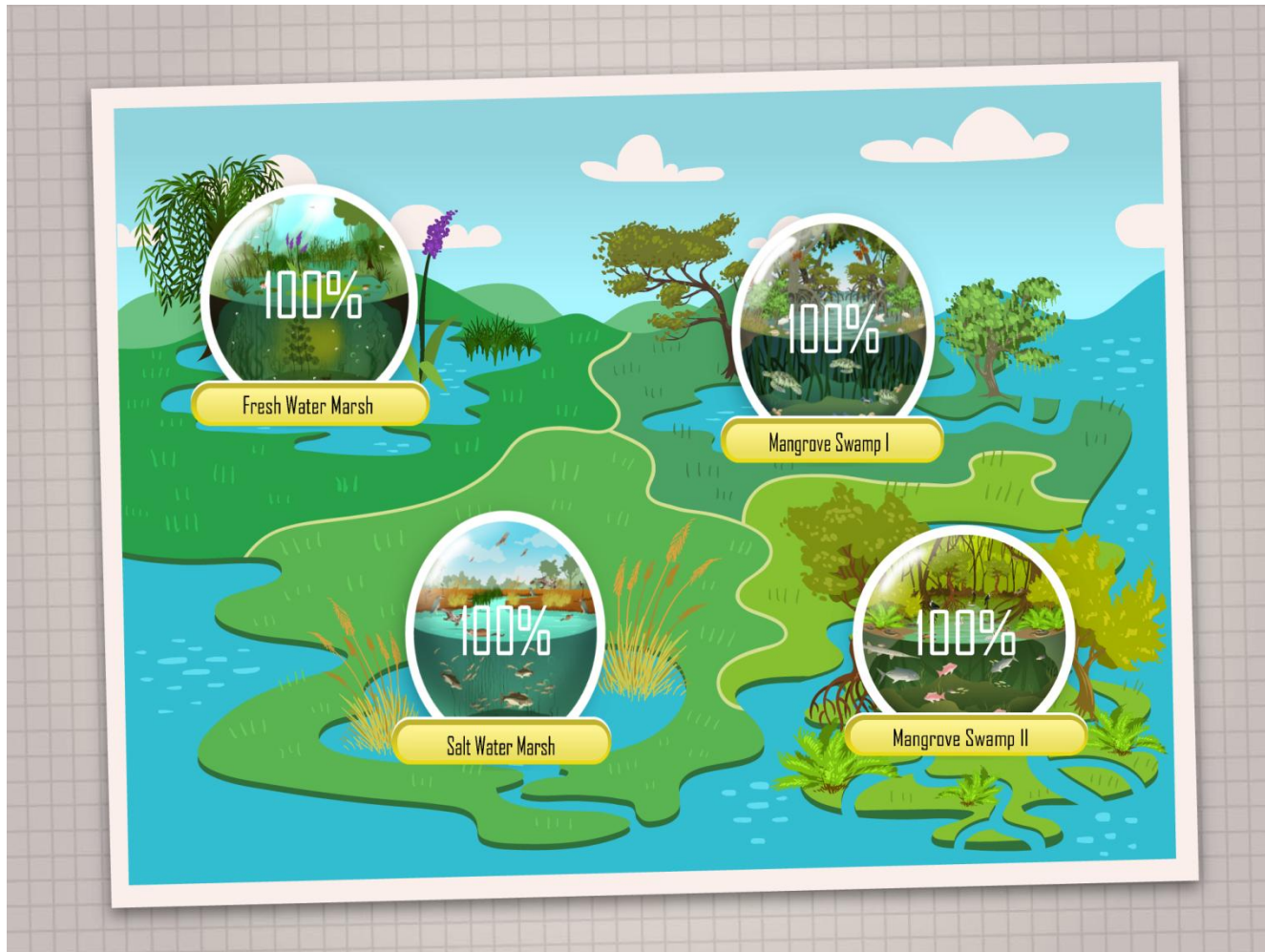


A top 10 downloaded paid app on Biodiversity

https://www.youtube.com/watch?time_continue=30&v=z5otrY8j270



Discover the beauty and biodiversity of the wetland habitat through gaming.



54 wetland species

8 categories: **Crustacea, Molluscs, Insects, Birds, Reptiles, Fish, Amphibians, Mammals.**
3 unique wetland habitats: **Fresh Water Marsh, Salt Water Marsh and Mangrove Swamp.**



Build each habitat from scratch, and fill it with various organisms as kids discover and learn about the species via “Crazy Web”.

Biology Behind the Scenes



All game levels are designed based on the food pyramid. Each game level, called “Current Task” in the game, contains one or two species for kids to learn about. Once players complete the task by playing “Crazy Web”, they will get the next task that will introduce them to more species from bottom up along the food pyramid.

A “Live” Biome to Test and Learn



The “Add Species to Dome” feature, like its name suggests, requires players to make the species in the dome flourish. Simply tap on a species from the food pyramid, add up to 3 units of a certain species to the dome, shake the device, and see the result of how one species could impact the balance of the eco-system in their virtual dome.



Featured by the iTunes Store worldwide five times

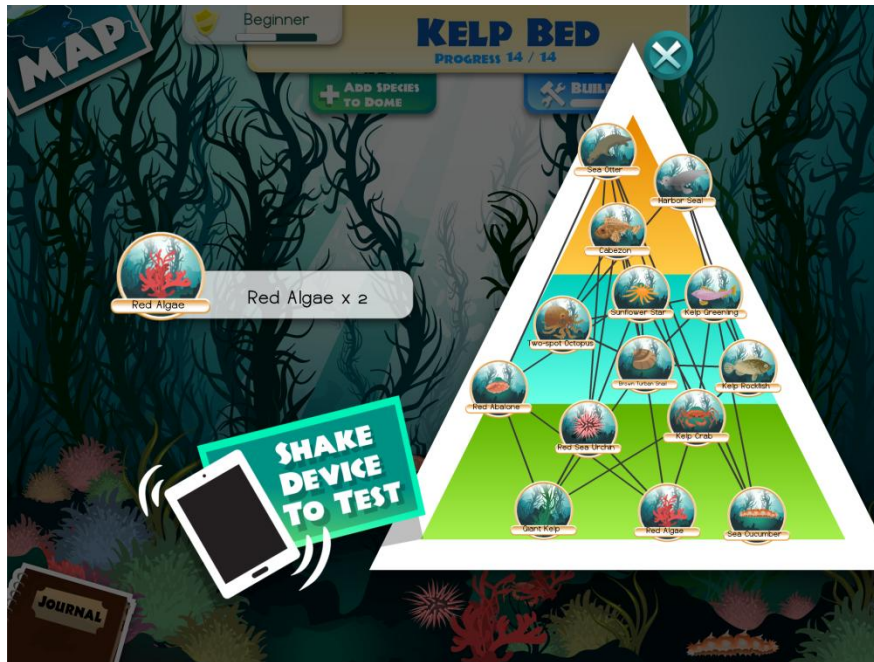
<https://youtu.be/im63C4Hklw>

Oceanic Ecosystems



Explore the natural balance of ocean habitats. Build diverse and intricate ecosystems
Celebrate the rich diversity of sea life. Study the human impact on our oceans

More Species and More Ecosystems

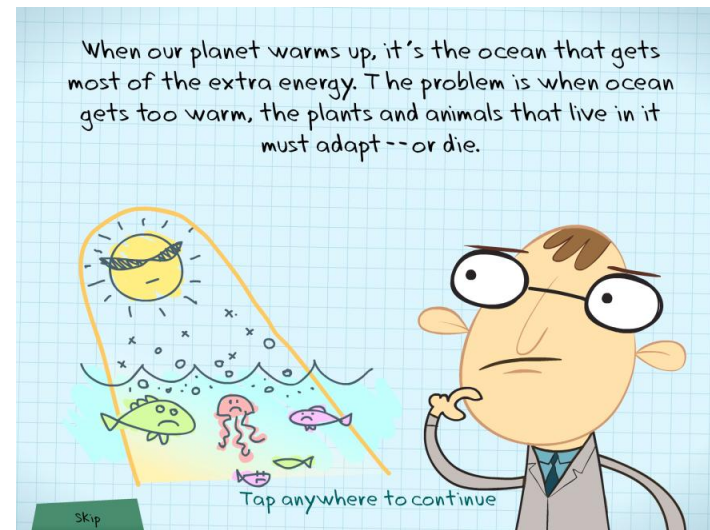
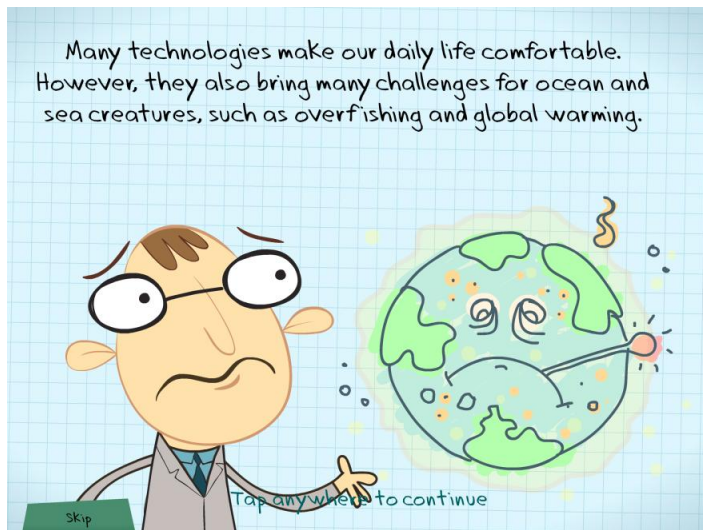
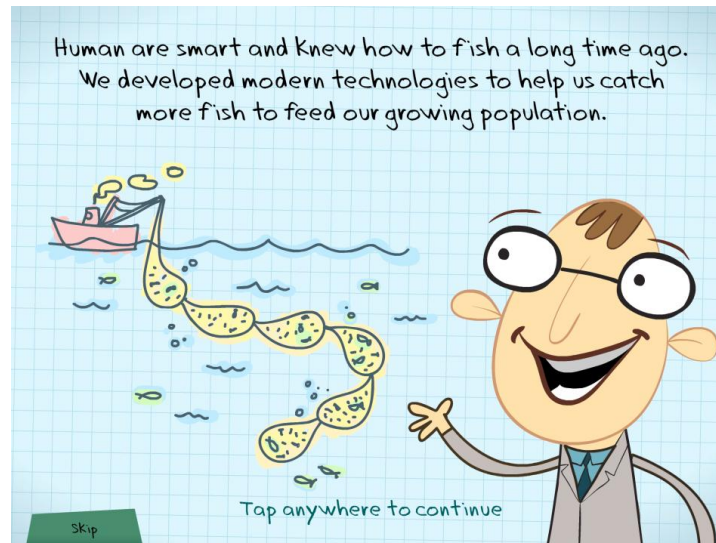


62 oceanic species

11 categories: Crustacea, Molluscs, Birds, Reptiles, Fish, Mammals, Plants, Protists, Coelenterate, Echinoderm, Forcipulatida

4 unique marine habitats: Coral Reef, Tide Pool, Kelp Bed and Open Sea.

Ocean and Us!



Introduction of the ecological interaction between us and the oceans.

How Everyone Can Help?



Learn our responsibility as environmental stewards through stories.

Build and see how different everyday items such as cars and water bottles, create challenges for sea life.



Ontario Science Curriculum

Grades	Overview	Overall Expectations
Grade 4	Habitats and Communities	<p>3.1 demonstrate an understanding of habitats as areas that provide plants and animals with the necessities of life (e.g., food, water, air, space, and light)</p> <p>3.5 classify organisms, including humans, according to their role in a food chain (e.g., producer, consumer, decomposer)</p>
Grade 7	Interactions in the Environment	<p>3.1 demonstrate an understanding of an ecosystem (e.g., a log, a pond, a forest) as a system of interactions between living organisms and their environment</p> <p>3.3 describe the roles and interactions of producers, consumers, and decomposers within an ecosystem</p> <p>3.8 describe ways in which human activities and technologies alter balances and interactions in the environment</p>

Québec Science Curriculum

Cycles	Overview	Overall Expectations
Cycle 2	Living Things - Energy	<p>Sources of energy for living things</p> <ul style="list-style-type: none"> - Nutrition for animals (e.g. need for water, sugars, lipids, proteins, vitamins, minerals) - Transformation of energy in living things - Food chains
	Living Things - Systems and interaction	<ul style="list-style-type: none"> - Interaction between living organisms and their environment - Living things and their habitats - Parasitism, predation
Cycle 3	Living Things - Energy	<ul style="list-style-type: none"> - Photosynthesis in plants (e.g. need for water and carbon dioxide) - Ecological pyramids
	Living Things - Systems and interaction	<ul style="list-style-type: none"> - Interaction between humans and their environment - Interaction between living organisms and their environment - Adaptation

Handy Lesson Plans – Sample One

Grades 1 to 6

Water Conservation Inquiry

Theme: *Water is essential to life and is a limited resource for many people. Are we doing our best to look after what we have?*

Provocations to drive inquiry:

How do we use water?

Why is water important?

What is our responsibility for managing water?

Does everyone get water the same way?

Activation:

- List the ways we use water throughout the day (at home and at school)
- How do children in other places get water? (Read Water Princess)
- Make a T-Chart that compares how we get our water and how kids in underdeveloped countries get water. How does the process of getting water affect daily lives? Watch 'Sabina's Story'.
- Focus on kids in First Nations communities (Shoal Lake)

Ask students to develop questions. Some examples:

- How can we protect water systems?
Play ibiome game 'Wetlands'
Marlo from Lake Winnipeg Foundation
Field trip to Oak Hammock Marsh
- How can we save water?
Video: Water Conservation
<https://www.youtube.com/watch?v=4HSFKwho7MQ>
- Why do some places still not have access to clean water?
- What do people do for water who don't have the technology to properly clean it?
- Why can't some people get clean water?
Video: <https://youtu.be/fjIRg096XFY> Shoal Lake
Linda Sue Park's book, 'Long Walk to Water'
- List the ways we can conserve water.
- What can we do at home to save water?
- Is it possible to unpollute water? (Clean up an oil spill?)https://www.huffingtonpost.ca/entry/inventions-that-clean-the-ocean_us_5938be94e4b0b13f2c66ee01
- How can we take care of the oceans?
Play ibiome game 'Oceans'
<https://www.youtube.com/watch?v=vjOmyNA4wZ8>
Hope for the Oceans
<https://www.youtube.com/watch?v=6jCuohMARY>
Plastic in the oceans
https://www.youtube.com/watch?v=ju_2NuK5O-E
Ocean Clean Up
Sea bin

Handy Lesson Plans – Sample Two

- Using chart to ask kids to identify the ecological roles for the species in the game

	Env	Pro	Con	Prey	Pred		Env	Pro	Con	Prey	Pred
Soil						Wasp					
Sun						Hoverfly					
Water						Willow					
Algae						Viceroy Butterfly					
Cabomba						Mosquito					
Water Lily						Dragonfly					
Snail						Blue-winged Teal					
Pickerelweed						Red-winged Blackbird					

- Ask students to draw a diagram of the entire food web for any habitat
- Use Post Game Analysis to drive further thinking

Easy Access via Online and Tablets

A screenshot of the Springbay Studio login interface. It features a light gray background with two input fields: "username" and "password", each with a small icon to its right. Below the password field is a checkbox labeled "Remember me". A prominent green "SIGN IN" button is centered below the inputs. At the bottom, there are links for "Register" and "Forgot Password?".

- Get a free educator evaluation license by [registering online](#)
- Select the right subscription to fit for your class, school and district.
- Contact us to finish your subscription
- Share your login info with your students
- Start engaging your students with a fun learning game.

Online

<http://www.schools.springbaystudio.com/>



- Download the apps with the Apple's Volume Purchase Plan to save 50%
- Install the app on your school iPads/ iPad mini
- Start engaging your students with a fun learning game.

iPad

iBiome-Wetland: School Edition

<https://itunes.apple.com/ca/app/ibiome-wetland-school-edition/id1069411327>

iBiome-Ocean: School Edition

<https://itunes.apple.com/ca/app/ibiome-ocean-school-edition/id1292480634?mt=8>



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