

March- Spring is in the air!

Are you looking for something fun and educational to do at home? Check out these library recommended STEAM activities, programs, podcasts and more! Click the links to visit activities and books.

For more ORL STEAM content visit: www.orl.bc.ca/steam

SCIENCE

World Wildlife Day – Mar 03

Activities:

[Munching Caterpillars](#)– All Ages

[Plant a tree](#) – All Ages

[Indigenous STEAM: Birds](#) – All Ages

Books to Read:

[Aliens among us](#), by Tol, Alex van

[Look what I found in the woods](#), by Butterfield, Moira

[Rainforest](#) by Callery, Sean



Fact about World Wildlife Day: On 20 December 2013, the United Nations General Assembly (UNGA) proclaimed 3 March as UN World Wildlife Day (WWD) to celebrate and raise awareness of the world’s wild animals and plants. World Wildlife Day has now become the most important global annual event dedicated to wildlife. WWD will be celebrated in 2022 under the theme **“Recovering key species for ecosystem restoration”**. The celebrations will seek to draw attention to the conservation status of some of the most critically endangered species of wild fauna and flora, and to drive discussions towards imagining and implementing solutions to conserve them. Find official posters at the end of this newsletter.

World Engineering Day – Mar 04

Activities:

[Me and my shadow](#) - Ages 5-7

[3D printing by hand](#)– Ages 8- 14

[Can you copperplate](#) – Ages 12-18

Books to Read:

[Min Makes a Machine](#) by McCully, Emily Arnold

[Cardboard Box Engineering](#) by Adolph, Jonathan

[Garfield's Almost-as-great-as-naps Guide to Engineering](#) by Hirsch, Rebecca E

Interesting Facts about World Engineering Day (WED): Think about the world around you: airplanes, automobiles, electricity, cell phones, medications ... even a bottle of water – everything man-made has been designed by someone. Over the ages, man has been constantly engineering solutions to problems, whether it is crafting a hammer out of stone, or designing a large urban sanitation system to handle an entire city's sewage. WED offers an opportunity to highlight engineers and engineering's achievements in our modern world and improve public understanding of how engineering and technology are central to modern life and for sustainable development.



World Water Day – Mar 22

Activities:

[Water displacement activity](#) – Preschool

[Poke with pencil](#) - Elementary

[Water conservation checklist](#) - All ages

[Paper in the cup](#) - All ages

Books to Read:

[Water](#) by Thomas, Isabel

[The Water Princess](#) by Verde, Susan

[When the World Runs Dry: Earth's Water in Crisis](#) by Castaldo, Nancy



Interesting Fact about Water Day: Nearly 97% of the world's water is salty or otherwise undrinkable. Another 2% is locked in ice caps and glaciers. That leaves just 1% for all of humanity's needs — all its agricultural, residential, manufacturing, community, and personal needs. A person can live about a month without food, but only about a week without water. There can be a lot going on in a single drop of ocean water. It will most likely have millions (yes, millions!) of bacteria and viruses. And it could also have fish eggs, baby crabs, plankton, or even small worms! Without saying, there would be no life on Earth without water.

Save The Water



Pi Day – Mar 14

Activities:

[NASA Pi day Challenge](#) - Middle school and above

[Pi Puzzle](#) - Ages 7+

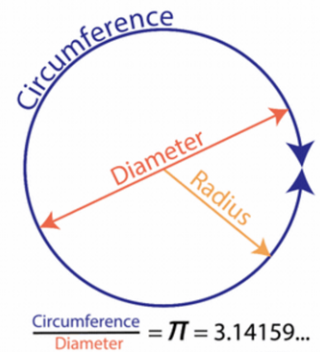
Pi word challenge - Set a timer to three minutes and challenge yourself and friends to

write as many words as they can that start with 'pi'.

Ready. Set. Go!

Check out **18 ways how NASA uses Pi** [here](#)

Circumference of a Circle



Books to Read:

[Sir Cumference and the Dragon of Pi](#) by Neuschwander, Cindy

[Bed time Math series](#) by Overdeck, Laura

[Garfield's Almost-as-great-as-doughnuts](#)

[Guide to Math](#) by Hirsch, Rebecca

Interesting Fact about Pi Day: The value of Pi is rendered as 3.14 — hence the celebration on the 14th day of the third month of the year — but that’s an approximation. The real value of pi is 3.1415926535... with the three dots signifying that the string of digits goes on forever (it never ends!). No matter how big or small a circle – from the size of our universe all the way down to an atom or smaller – the ratio of a circle’s circumference (the distance around it) to its diameter (the distance across it) is always equal to Pi (Greek letter “π”). The first calculation of π was done by **Archimedes** (287–212 BC), one of the greatest mathematicians of the ancient world.



World Wildlife Day Official posters



Recovering Key Species for Ecosystem Restoration

#WWD2022
#WorldWildLifeDay

**RECOVERING KEY SPECIES FOR
ECOSYSTEM RESTORATION**



WORLD
WILDLIFE FUND
3 MARCH

#WWD2022