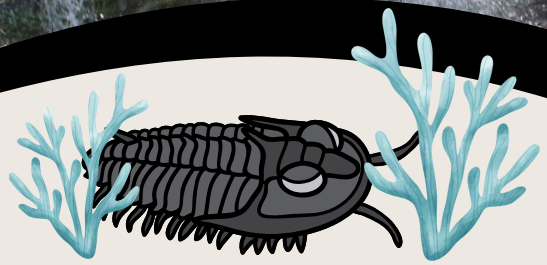
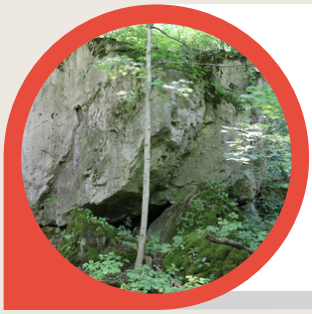
NIAGARA GEOPARK
GEOSERIES



The **APGO EDUCATION FOUNDATION** is proud to be the **GEOSCIENCE EDUCATION PARTNER** of the **NIAGARA GEOPARK**. Working with **MCMASTER UNIVERSITY**, we are developing GeoHikes and GeoRoutes in the Geopark. Together, we make accurate and up-to-date information about the exciting geology and environment of the Niagara Peninsula available to the public. To visit all our GeoHikes, go to https://geoscienceinfo.com/geohikes

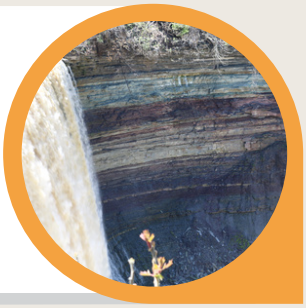
GeoScience INFO
Niagara Geopark
McMaster University
APGO education foundation



CAVE SPRINGS: HOLES, FISSURES, AND CAVES, OH MY!

Longterm exposure to slightly acidic rainwater has had impactful effects on the dolostone at Cave Springs. It has carved into the rock, creating caves, holes, and fissures, which are collectively called karst. The use of these caves for storage or safety goes at least as far back as the 1800s!

BALL'S FALLS: A ROCKY STORYBOOK



The rock layers exposed at lower Ball's Falls are like pages in a book that tell the story of the environment here 445 to 420 million years ago. The layers of shale, dolostone, and sandstone not only tell us about past ecosystems, but their different colours also provide the ultimate viewing experience!

WAINFLEET WETLANDS: TROPICAL HEAVEN TO FOSSIL GRAVEYARD*

A shallow and warm tropical sea covered this area during the Devonian Period, 387 million years ago. Many different marine species thrived in the sunny waters. Examine the limestone at Wainfleet and find the well-preserved fossils of many of the critters that lived at that time.

*Expected release: Summer 2024

WINERY GEOROUTE: GRAPES AND GEOLOGY*

The Niagara Peninsula is known for its various wine varieties, thanks largely to the longer growing season in the area. The local terroir, including its geology also has an impact on this industry - not only does the rock type affect overall taste, but overall topography offers ideal sheltered slopes for vineyards.

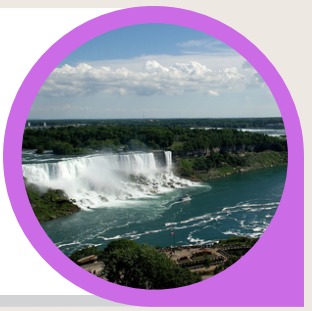
*Expected release: Spring 2024

LOCUST GROVE GEOHIKE: NOT JUST ANOTHER POWER TRIP*

The Locust Grove GeoHike includes a visit to the Sir Adam Beck Hydroelectric Generating Station, and explains the crucial link between geological forces and electricity generation. While there, visit Brock's Monument, a 56-metre-tall limestone column made of material from the nearby Queenston Quarry.

*Expected release: Summer 2024

NIAGARA GORGE GEOHIKE: A WANDERING WATERFALL



If you were to visit Niagara Falls 12,000 years ago, you would have had to trek to Niagara-on-the-Lake! Since then, it's receded to its present-day location, cutting the bedrock and revealing the beautiful layers of dolostone, sandstone, limestone, and shale of the Niagara Escarpment along the sides of the gorge!