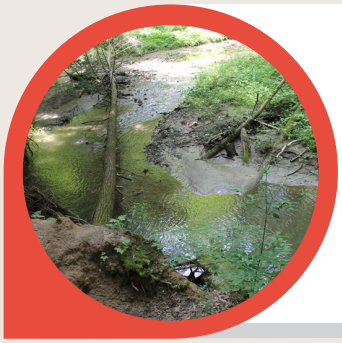
GEOTRAILS
ON THE BRUCE TRAIL

The **APGO EDUCATION FOUNDATION** is proud to partner with the **BRUCE TRAIL CONSERVANCY** to create GeoTrails along the Bruce Trail. They are 1-3 hour hiking segments of the Bruce Trail. GeoTrails describe the geological significance of the trail as you either walk in person or visit virtually from home or in the classroom. To visit all our GeoTrails, go to https://geoscienceinfo.com/geotrails

Geoscience INFO | Bruce Trail CONSERVANCY | McMaster University | APGO education foundation

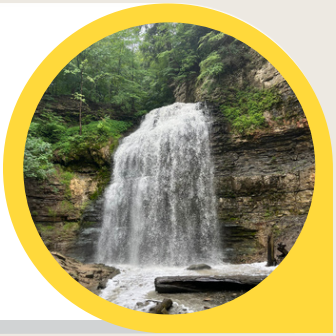


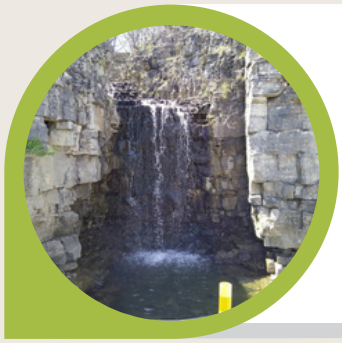
SULPHUR SPRINGS GEOTRAIL: RAISING A STINK

Think you smell something? Don't worry, this time it truly is the water! Sulphur Springs was once thought to have magical healing powers. Although we now know it cannot heal you, there's still magic in the air, and it smells like sulphur! As water passes through the rocks, it picks up the sulphur it contains, creating a.. fun atmosphere.

TIFFANY FALLS GEOTRAIL: OVER THE RIVER AND THROUGH THE WOODS

Local topography is shaped by many processes. At Tiffany Falls, a river moves and deposits sediment downstream, creating fluvial features such as sand bars and secondary channels. The powerful effects of gravity are evident at the deep valley, where many rocks and trees have fallen down its slopes.



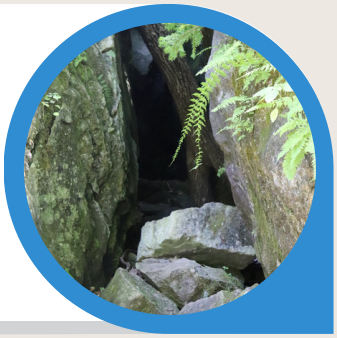


CHEDOKE RADIAL GEOTRAIL: A TROPICAL PARADISE

It's been a long time since this area was a warm, tropical paradise - 450 million years to be somewhat precise! Many organisms such as corals, bivalves, brachiopods, crinoids, nautiloids, and trilobites enjoyed the beautiful, relatively shallow seas that covered this area at the time. We can see the fossil remains of these critters in the dolostones at Chedoke.

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!