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Raven Hill Discovery Center, incorporated in 1991, is a 501(c)(3) tax-exempt corporation.

Mission: Raven Hill provides a place that enhances hands-on and lifelong learning for all ages by connecting science, history & the arts.

To: Friends and Family everywhere
 From: Cheri and Raven Hill
 Date: February 26, 2022
 Re: Music is the universal language of mankind--Longfellow

Greetings, Everyone!

Whether it is the little ones, banging on the instruments just to hear the noise or the middle & high school students, who pick an instrument and begin jamming with each other, visitors love the musical instruments at Raven Hill. Indoors and outside, there are a myriad of string and percussion instruments for your enjoyment. Daniel Bernard Roumain, a young violinist, thinks one reason music is so powerful is that sound actually penetrates our bodies: "You know when someone says that a piece of music 'touched me' or 'moved me,' it's very literal. The sound of my voice (or violin) enters your ear canal and it's moving your eardrum. I am very literally touching you, and when you speak to me, you are literally touching me." Think of that next time you are "making music" at Raven Hill.



Brittany is intent on playing & listening to the Marimba. If you can play the piano, you can play the Marimba. The bottom row of keys on the Marimba corresponds to the white keys on a piano and the top row corresponds to the black keys.



The Amadinda in the Music Garden uses 2"x 4" lumber. Each length produces a different note.



The Marimba was one of the first hands-on exhibits at the Center and remains a favorite for visitors of all ages.



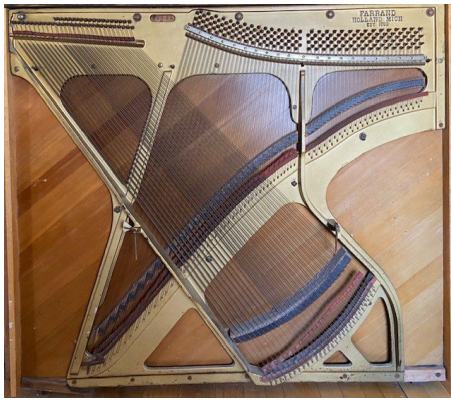
The inside drum heads are cow, deer or goat rawhide! Can you guess which two were made by Raven Hill staff?



*The Whale drum is part of the **Earth Tones Music Garden**. As you play the drum, you can feel the vibrations come through the ground into your feet!*



*The Lithophone in the **Music Garden** has keys made from granite countertop.*



If you look inside a piano, you will see a piano harp. When someone hits the key on a piano, a hammer comes up and hits wires, which vibrate to produce sound. The sound is amplified by the spruce sounding-board located behind the wires.



Celtic harps are descended from harp forms that have been around since before written history.



Raven Hill has a Music Wall with instruments that are too old, delicate or valuable to be played. Other instruments are hands-on for visitors to enjoy. Let us know your favorite instrument next time you visit the Center!



Guest, Greg Brayton, pulled out his guitar and joined the musicians for a couple musical numbers at the 2009 Summer Magic Festival.



The Blue Man Group plays slap tubes like these.



The theme for our 2009 Summer Magic Festival was "Earth Tones Music" with musical entertainment provided by Tom Kaufmann and friends, as well as a contingent from the Petoskey Steel Drum band.

Thanks to everyone, who supports Raven Hill Discovery Center with their time, energy and donations. You are an inspiration to us. You are a rare find and we are lucky to have you as part of the Center! Your care and encouragement have always been a driving factor in making this place what it is today. Special thanks go to the following for their recent donations: to Bay Harbor Foundation for the **More Connections**; to Michigan Council for Arts & Cultural Affairs for operational support; to the Baiardi Foundation, Petoskey-Harbor Springs Area Community Foundation & a donor-advised fund at the Charlevoix County Community Foundation for the upcoming **Labor Days History Heritage & STEM of Work** traveling exhibit; and to all of the individuals and businesses, who have shown their faith in the Center through their donations and memberships.



Invented in 1928, the Theremin is played without touching it. The vertical rod on the right controls the pitch—the closer a hand is to the rod, the higher the pitch. The loop on the left is the volume control—a hand close to the loop turns it "off".

Currently, Raven Hill is open to the public noon to 4pm on Saturdays and 2pm to 4pm on Sundays, plus any other time by appointment. You can call 231.536.3369 or email info@miravenhill.org for reservations. Be sure to schedule field trips, birthday parties or scout groups soon. The Smithsonian **Labor Days: History of Work** exhibit also remains on display during regular hours or by appointment. As a reminder, for the immediate future at least, we continue to ask visitors to mask indoors for the sake of the vaccinated and the unvaccinated. We are looking forward to your visit!

Cheri