

Mathematics can be applied in many applications, many we can see and observe in everyday life. A significant implication for mathematics is geometry, and strongly for architecture. In this photo of the Vancouver public library, geometric shapes were a massive design feature architects considered, showing the math behind many circular, parabolas, and polygons. When designing these elements, mathematical equations have to be done with engineers to showcase the art and structural integrity of the building. These calculations done by George William Grant in 1902 presented the public with a beautiful structure, but more importantly highlighted the beauty of mathematics.