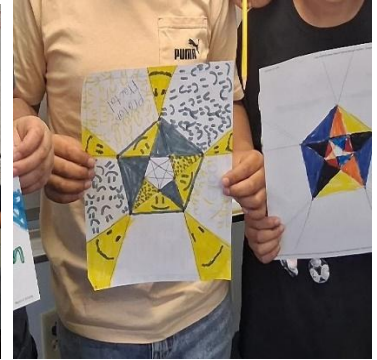


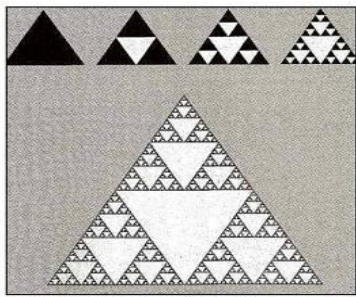
**Somos raíces del saber porque sabemos aprender.
We are roots of knowledge because we know how to learn.
Ti tokeh nelwayomachtik inik tehuan mati temachtiliztli.**

A newsletter about our classroom work integrating Xinachtli November 8, 2025

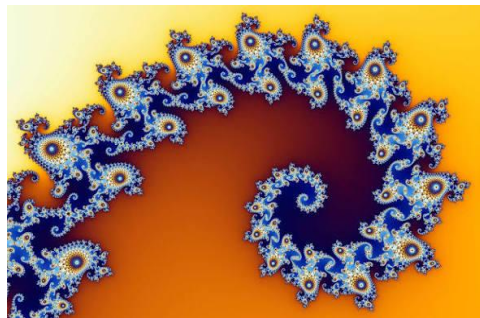


This week we have been studying fractal geometry, a branch of mathematics that studies intricate, irregular shapes called fractals, which exhibit self-similarity, meaning they look the same at different levels of magnification. Unlike traditional Euclidean geometry, which deals with smooth shapes, fractal geometry provides a way to model the complexity of natural objects like coastlines, mountains, trees, and lightning.

Esta semana hemos estado estudiando la geometría fractal, una rama de las matemáticas que estudia las formas intrincadas e irregulares llamadas fractales, que exhiben autosimilitud: se ven iguales a distintos niveles de magnificación. A diferencia de la geometría euclidiana tradicional, que se ocupa de las formas suaves, la geometría fractal proporciona una manera de modelar la complejidad de objetos naturales como costas, montañas, árboles y rayos.



The Sierpinski gasket—a simple fractal produced by breaking up a triangle into successively smaller ones



La geometría fractal en combinación de la geometría euclidiana es la base para el diseño del Tonal Machiotl (Calendario Azteca). Es una de las razones que la enseñamos. A combination of fractal and Euclidean geometry is the basis upon which the Aztec Calendar was designed. One of the reasons why we teach it.



Agradecemos a Randolph Sabaque a.k.a. Sabahut, uno de nuestro padres por diseñar e imprimir estas camisetas. We are grateful for Sabahut, one of our parents who designed and printed these t-shirts for us.



Our students are sharing and enjoying pomegranates from our garden. Nuestros alumnos compartiendo grandas de nuestro jardín. Nature is our best teacher. La Naturaleza es nuestra mejor maestra.



Spirit Week at Raíces del Saber was fun! ¡Que semana de gozo tuvimos en la escuela!