

I.- DATOS INFORMATIVOS

SECCIÓN: Secundaria

DEPARTAMENTO: Ciencias Naturales

CURSO: Octavo de Educación General Básica

AÑO LECTIVO: 2021-2022

PROFESOR: Nathan Marquez C.



Student's Profile at the end of the school year: The student will be able to describe the structure of the planet Earth and explore the relationships between ideas about the structure of the Earth in the Concept Development Maps – Changes in the Earth's Surface and Plate Tectonics. They will also have an understanding of the layered nature of the Earth is central to understanding plate tectonics and earth science.

II.- CONTENIDOS PROGRAMÁTICOS

| CONTENIDOS PROGRAMÁTICOS POR UNIDAD | FECHA |
|---|--------------------|
| UNIDAD 1. Earth System The Earth system Different spheres Weathering, erosion and deposition Earth interior Convection The mantle Eras of Earth's History | May - June |
| UNIDAD 2. Minerals and rocks Properties of minerals Classifying rocks Igneous rocks Sedimentary rocks Metamorphic rocks The rock cycle | July – July |

| | |
|---|----------------------------------|
| <p>UNIDAD 3. Plate Tectonics</p> <p>Drifting continents</p> <p>Pangaea</p> <p>Sea floor spreading</p> <p>Ocean ridge, ocean trenches, subduction</p> <p>Wegener's explanation</p> <p>The theory of plate tectonics</p> | <p>August – September</p> |
|---|----------------------------------|

±

| | |
|--|-------------------------------------|
| <p>UNIDAD 4. Forces in the Earth Crust</p> <p>Earthquakes and consequences</p> <p>Faults and types</p> <p>divergent, convergent and transform boundaries</p> <p>Seismic waves</p> <p>Monitoring earthquakes</p> | <p>October – November</p> |
| <p>UNIDAD 5. Volcanoes</p> <p>Plate tectonics</p> <p>Volcanic eruptions: characteristics</p> <p>Volcanic eruptions: types</p> <p>Volcanic landforms</p> <p>Landforms created by lava</p> | <p>Noviembre - Diciembre</p> |
| <p>UNIDAD 6. The Periodic Table</p> <p>Elements y symbols</p> <p>Elements and uses</p> <p>Atoms: protons and neutrons</p> <p>Classification of elements</p> | <p>Enero – Febrero</p> |

2