

Adventure Exploration of the Ice North field (Mountain and Glaciology Adventure)

Description

Arnold Heim was a Swiss geologist who, in 1941 carried out explorations in the area of ice north field's zone and more specifically near Lake Leones and Lake Fiero at the foot of the Hill San Valentin.

His photography's and notes of geology are still one of the very few records in this area.

This exploration has the objective to validate the conclusions that Heim did about geology and also add information to create a series of "geo-sites" in the surrounding area of the Lake General Carrera and Ice North fields. For this is required the exploration of the surroundings area and on the glaciers of the zone, which also be included issues of glaciology and mountain climbing.

Philosophies to be applied during the program:

Learning Life Skills: students will participate in activities that will allow them to dominate a new skill or gain greater experience in one who have practiced before.

Leadership, Responsibility, Collaboration & Team Work: Students will develop responsibility for their actions and leadership skills in dynamic activities, learning to defend their own ideas, to apply an empathic listen, to implement tactics for the resolution of individual and group conflicts, and learn to take risks in appropriate scenarios.

Environmental Education: Students will gain a bigger understanding of how our decisions affect the environment. Encourage the appreciation for protection and conservation of the environment, and impulse students to modify their habits and to be more Eco Friendly.

Cultural Awareness: Students are exposed in a different culture than their own, learning from the experience to watch, live and appreciate their tradition, which leads them to reappraise their own culture, and obtain new perspectives about their immediate environment, Chile as country and culture, and to the world that surrounds us, becoming in global citizens who appreciate and defend the value of the cultural diversity.

Schedule

Day 1.

Arrival at Balmaceda, transfer to Puerto Guadal. Accommodation and dinner at campsite. Presentation about geology of the ice fields and history of Arnold Heim. Coordination of the expedition.

Educational component: Students will learn the techniques of logistics in place, organization of food and camp equipment; during all camp activities they will be responsible of Cook and organize their own food.

Day 2.

Excursion for the day to the fossils of Veranada, where they will be able to see thousands of fossils and an incomparable panorama of the region. Return to the campsite.

Educational component: Students will learn about ecosystems, geology and geomorphology, initiating the context of expedition, connecting the environment with natural phenomenon that will be study in the next few days.

Day 3.

Crossing of Lake General Carrera and ascension of the Leones River up to the base camp on the shores of Lake Leones. First geological explorations in the edges of the Lake and lateral moraines.

Educational component: Students will learn about ecosystems and biodiversity existing in the glaciers and Alpine surroundings.

Day 4

Walk to Lake Fiero, crossing of Lake and hiking to the foot of the glacier Fiero to review explored sites by Heim and geological samples that has brought the glacier.

Educational component: Students will learn about the geology of the mountain, first aid in extreme zones, technical of minimal impact.

Day 5

Climb to the pass that gives access to the ice North fields and Hill San Valentin. This place was visited by Heim when he was 61 years old and it remains one of the main routes of access for climbers. In addition is an excellent area to see the rock formations that are emerging with the melting of ice in the edge of the glacier.

Educational component: Students will learn about mid-mountain techniques, care of teammate in difficult situations, self-confidence and sense of achievement thanks to the team work and motivation

Day 6.

Return to Terra Luna Lodge. Evaluation of the expedition, registration of samples and systematization of the results.

Educational component: Students will learn about the SNASPE (State wild protected area), management in Chile, his present and future. As well as the private conservation and local lifestyle.

Day 7.

Return to Coyhaique visiting the chapels of Marble, an Island of carbonate of calcium with strange formations in the General Carrera Lake.

Educational component: Students will learn about local economies related to activities of tourism of nature, also will learn about geology and the effect of water on the orographic formation of landscape.