ICS XIII Aprile Soci - S.Piero in Frassino Primary School YEAR V

Antarctica is a fragile environment

What threats are there to Antarctica and what opportunities?

What should we do with Antarctica In the future?

Teacher M.Letizia Fani

What do you think?

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What is the future for Antarctica?

What about turning it into a world park?

We could encourage people all over the world to do something about global warming

> We could ban fishing and Whaling

> > We could limit the number of tourists

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Can you think of any other ways to protect Antarctica?

Have the activities of the research bases in Antarctica affected the environment there?

Are glaciers the most vulnerable parts of Antarctica? Why?

How is Antarctica used by people?



Why so many countries are interested in this continent?



Because Antarctica has got many minerals...

Mining in Antarctica

Mineral map of Antarctica showing known significant deposits of various minerals







Antarctica has a fragile ecosystem

Mainly because a lot of the marine life relies on krill, which is at The bottom of the food chain. If the number of krill was to decline, this could have knock-on-effects on the other creatures that depend on krill for their survival.

Plankton absorbs carbon dioxide and the Southern Seas act as a carbon sink. This may help to reduce the greenhouse effect.

RESPECT THE NATURE OF OUR PLANET

How can the interests in Antarctica be managed?

DO YOU AGREE?..

Without an international agreement like the Antarctic Treaty there would be a freefor-all in Antarctica – anybody could do or take what they want.

"It is in the interest of all mankind that Antarctica shall continue to be used forever for peaceful purposes and shall not become the scene or object of international discord" The Antarctic Treaty, 1961

Just to get you thinking!





The Treaty says Antarctica is a good place for scientific research. Countries who conduct research in Antarctica have to share their results with other members of the treaty

The 1961 Antarctic Treaty Covers 5 Main Areas

- No military use shall be made of Antarctica, though military personnel and equipment may be used for peaceful purposes.
- There will be complete freedom of scientific investigation.
- Antarctic Treaty Nations will exchange plans for their scientific programs, scientific data will be freely available and scientists will be exchanged between expeditions where practical.
- No activities under the Treaty will affect claims to sovereignty of any part of Antarctica made by any nation. All territorial claims are put aside for the duration of the Treaty.
- Nuclear explosions and nuclear waste disposal are banned from Antarctica.