

GEOGRAPHY: UNIT 3 PLAN

Elena García Marín

TITLE	CLIMATE AND NATURAL LANDSCAPE
GROUP	1º ESO
HISTORY TEACHER	Elena García Marín
CONTENTS	<ul style="list-style-type: none">-Composition of the atmosphere.-The layers in the atmosphere.- Pollution in the atmosphere: the greenhouse effect and the hole in the ozone layer.-Elements of the weather: temperature, wind, atmospheric pressure, humidity and precipitation.- Climatic zones.- Main types of climate: hot, temperate and cold.- The Earth's great natural landscapes: forest, grassland, savannah and desert.-The weather maps.
ENGLISH AIMS	<ul style="list-style-type: none">- Explaining the composition and the layer of atmosphere: troposphere, stratosphere, mesosphere, thermosphere or ionosphere and exosphere.-Describing what the weather is like, looking at different pictures and talking about temperature (freezing, cold, cool, mild, temperate, warm, hot), precipitation (rain, heavy rain, showers, hail, snow), wind (calm, breeze, moderate wind, strong wind, hurricane, tornado) and state of the sky (sunny, sunshine, cloudy, clear sky, overcast).-Looking at a weather map to explain the weather forecast for different parts of the map (North, South, West, East, Northern, Southern, Western, Eastern...).-Learning specific terminology: atmosphere, air, oxygen, layer, temperature, wind, atmospheric pressure, humidity, precipitations, forecast, pollution, climate change, hole in the ozone layer.- Identifying the elements of climate and the weather instruments: hygrometers, rain gauges or pluviometers, barometers, thermometers, wind vanes, anemometers.- Identifying and locating the world's main types of climates: hot, temperate and cold.- Distinguishing and locating geographically the great natural landscape of the Earth: forest, grassland, savannah and desert.

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LEARNING

- Enumerate the main components in the atmosphere and explain the different layer.
- Give reasons why the atmosphere is so important for living beings.
- Describe different kinds of pollutants of atmosphere and analyse the greenhouse effect and the hole in the ozone layer.
- List elements used to describe weather.
- Distinguish between climate and weather.
- Relate pressure changes to state of the sky and precipitations.
- Visit our weather station.
- Get data from the weather tables and draw the corresponding graphics.
- Interpret a simple weather map.
- Analyse and make maps and climate charts and climate diagrams.
- Know the world's major climate zones.

ACTIVITIES/ COGNITIVE SKILLS/ TASKS

- Making climate graphics.
- Interpreting graphics and answering questions.
- Describing different kinds of weather watched on photographs.
- Making a mural about the weather instruments.
- Interpreting weather maps.
- Completing comparative charts about the different climate in the world and their landscapes.
- Working on the Internet with interactive exercises and maps, and looking for different pictures about world landscape.
- Describing the characteristics of the different natural landscapes

RESOURCES AND MATERIALS

- Schemes on the blackboard.
- Presentations with the computer.
- Book: texts and exercises.
- Maps and pictures.

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- Questionnaires. Quiz.
- Internet research (information, pictures, interactive exercises...)
- Weather station.
- Interpretation of weather maps and other graphics.
- Educational films.
- Visit:
<http://www.ieslamadraza.com/elena/websociales/geographyandhistory1ESO/climate1/climate1.html>

EDUCATION VALUES

- Value our planet and its rare balance in atmospheric gases.
- Interest to know and to understand the changing weather.
- Recognise the impact on the atmosphere in our lifestyle.
- Develop personal behaviours to reduce atmospheric pollution.
- Show a critical attitude towards the interaction between human beings and the environment

ASSESSMENT

- Written test in first language / second language
- Homework (charts, drawings, schemes...).