FACTORS THAT INFLUENCE CLIMATE

worksheet 1

Name__________________________
Date___________________________

STARTER  Look at the weather symbols and answer:
What’s the weather like today?__________________________________________________________________________

WHAT’S CLIMATE?


Which of the following definitions of climate is used in the video?  Tick it.

Climate is the condition of the atmosphere at a particular place over a long period of time.

Climate is the weather pattern of a region of the world over a long period of time.

Climate is the average weather for a place over a period of many years.

WHAT ARE THE FACTORS THAT DETERMINE CLIMATE?

Watch all the video and write the climate factors in the same order as they appear in it.

1. The SUN
2. ______________
3. ______________
4. ______________
5. ______________
6. ______________
THE FIRST FACTOR IS THE SUN

*Before watching the video, match the words and the definitions; you can use a dictionary.*

<table>
<thead>
<tr>
<th>the Sun</th>
<th>An imaginary line running through the centre of the earth from the North Pole to the South Pole</th>
</tr>
</thead>
<tbody>
<tr>
<td>the Earth</td>
<td>Our planet</td>
</tr>
<tr>
<td>axis</td>
<td>The source of all light and warmth for every place on earth</td>
</tr>
<tr>
<td>rotation</td>
<td>When our hemisphere is tilted towards the Sun and receives more sunlight and warmth</td>
</tr>
<tr>
<td>revolution</td>
<td>The spinning of the Earth on its axis, the Earth makes a complete rotation in about 24 hours</td>
</tr>
<tr>
<td>winter</td>
<td>The movement of the Earth around the Sun completed in one year</td>
</tr>
<tr>
<td>summer</td>
<td>When our hemisphere is tilted away from the Sun and receives less sunlight and warmth</td>
</tr>
</tbody>
</table>

*Watch the first part of the video (0.43 – 3.00) and check.*
HOW DOES THE SUN INFLUENCE CLIMATE? WHY DO WE HAVE DIFFERENT SEASONS?

Look at the picture below and watch the video again (first part).

The Sun influences climate because it is the source of all light and warmth.

We have different seasons because the Earth moves around the Sun with an oblique ______________.

When the northern hemisphere is tilted away from the sun, it receives less sunlight and warmth than the southern hemisphere and the density of the incident ______________ is lower.

Consequently, we have winter in the northern hemisphere and ______________ (the opposite season) in the southern hemisphere.

If December, January and ______________ are winter months in Italy, they are summer months in countries like Argentina, South Africa and ______________ .
FACTORS THAT INFLUENCE CLIMATE

worksheet 4

Name__________________________
Date___________________________

THE SECOND FACTOR IS LATITUDE

Read the definition of LATITUDE and watch the second part of the video (3.00 – 5.25).

Latitude is the distance of a place from the Equator. The climate of a place depends mainly on this distance.

Answer the following questions with the help of the map.

What are the names of the main latitude lines?_________________________________________________

Where is the tropical zone?_______________________________________________________________

Why is the climate warm there?____________________________________________________________

How many temperate zones are there?_____________________________________________________

Why are the two areas north of the Arctic Circle and south of the Antarctic Circle very cold?

_____________________________________________________________________________________

In which zone is Italy located? Is your country located in the same zone?

_____________________________________________________________________________________

What kind of climate does your country have?________________________________________________
FACTORS THAT INFLUENCE CLIMATE

THE OTHER FOUR CLIMATE FACTORS

Look and listen to the third part of the video (5.25 – 7.11), write the factors and complete the information in the table below.

<table>
<thead>
<tr>
<th>FACTOR</th>
<th>INFORMATION GIVEN</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>It is the height of an area above sea level. Generally, the higher an area’s _________ the colder is _________ . Snow can be found on top of high _________ even when the weather is ______ in the valleys.</td>
</tr>
<tr>
<td></td>
<td>In some places it snows or _________ nearly every day; other places can be completely dry for _________ periods, with rain coming only in certain _________ . (The monsoon season in India)</td>
</tr>
<tr>
<td></td>
<td>Winds blowing from the _________ bring warm air and winds blowing from the _________ regions bring cold air.</td>
</tr>
<tr>
<td></td>
<td>They can carry warmth or coolness from one _________ of the world to another. One example of this is the Gulf Stream; its _________ carry warm water from the Gulf of _________ to Great Britain and Norway.</td>
</tr>
</tbody>
</table>
FACTORS THAT INFLUENCE CLIMATE  worksheet 6

Name________________________________________
Date________________________________________

THE IMPACT OF CLIMATE ON PEOPLE’S LIFE

Watch the last part of the video (7.11 – 9.00) and answer the questions:

1. What do people living in hot countries wear?

________________________________________________________________________

2. What do people living in very cold countries wear?

________________________________________________________________________

3. What kind of houses do they live in?

________________________________________________________________________

4. Where do most people choose to live? Why?

________________________________________________________________________

GROUP WORK: work with other classmates and make posters in order to present the factors that influence climate to the students of another class. You can consult internet sites, books and atlases and you can add photos, drawings, graphs and maps to the written explanations.