

Geography

Year 8

(70 hrs, 2 hrs/week)

Table of contents	
1.	<p>Geographic map and working with it</p> <p>Geographic map. Ukraine on cartographic works. Study maps and atlases. National atlas of Ukraine, electronic maps. Cartographic web sources. Map elements, cartographic projections, and types of anomalies on geographic maps. Classification of maps. Ways of depicting geographic objects and phenomena on maps.</p> <p>Topographic maps. Reading and practical use of topographic maps.</p>
2.	<p>Geographic space of Ukraine</p> <p>Ukraine on the political map of Europe and the world. Political map of the world, and its elements. Geographic location. State borders, sizes of territory, end points, geographic centers of Ukraine and Europe.</p> <p>Administrative and territorial structure of Ukraine. Territorial changes of Ukrainian borders since the 20th century. Features of modern administrative and territorial structure.</p> <p>Ukraine on the time zone map. International system of time. Time zones. Local time. Zone time. Summer time. Peculiarities of regulating the time systems in the countries of the world. Time in Ukraine.</p>
3.	<p>Natural conditions and resources of Ukraine</p> <p>Relief, tectonic and geological structure, and mineral resources. Earth surface forms. Relief formation. Types of reliefs by origin. Relief and human activities. Natural resources of Ukraine, their classification by use, and patterns of spreading.</p> <p>Climate and climatic resources. Climate forcing: solar energy, atmosphere circulation, surface background, and their interrelations. Climatic map. Regional climatic features. Climatic resources. Seasonal weather and phenomena.</p>

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	<p>Land water bodies and water resources. Land water bodies composition. Surface waters. Rivers. Lakes and their types. Marshes, their types and spreading, and reasons for waterlogging. Water reserves and channels. Ground waters. Water resources of Ukraine.</p> <p>Soil and soil resources. Conditions for soil formation, soil structure, soil horizons, and fertility. Main types of soils, and patterns of their spreading. Map of soils. Soil resources of Ukraine.</p> <p>Plants. Plant diversity. Patterns of vegetation cover in Ukraine. Plant groups. Plant resources, guarding and reproducing them.</p> <p>Animal world of Ukraine. Diversity of the animal world. Impact of human of fauna.</p> <p>Landscape of Ukraine. Concept of a landscape and its types. Natural zones of Ukraine.</p> <p>Nature use. Using the natural and resource potential of Ukraine. Main types of environmental pollution in Ukraine. Nature reserve fund of Ukraine. Main measures of the rational use of natural resources and environmental protection. Natural reserves of homeland.</p>
4.	<p>Population of Ukraine and the world</p> <p>Demographic processes, age and sex groups in Ukraine and the world Population rate in Ukraine and the world. Factors impacting the population. Demographic policy.</p> <p>Population spreading. Population density. Territorial differences of population density in the world and in Ukraine.</p> <p>Urban and rural settlements. Distinguishing criteria in Ukraine and the world. City classification by the population rate and functions.</p> <p>Ethnical composition of the population. Ethnicities. The most widespread language families. Monoethnic and multinational countries. Population composition of Ukraine.</p> <p>Religious composition of the population. World religions. The most widespread religious confessions in Ukraine.</p> <p>Employment in the world and Ukraine. Labor resources. Number and quality of labor resources. Economically active population. Population employment. Issues of population employment.</p>
5.	<p>Nature and population of the home administrative region</p>

Geographic location, administrative and territorial structure, history of formation and development.

Nature of the region. Peculiarities of the natural conditions and resources. Nature use. Objects of the nature reserve fund.

Population of the region. Population rate and structure. Ethnical composition. Peculiarities of population employment.

Expected results

Pupil can:

- use the study maps and atlases, and cartographic sources online
- use the obtained knowledge to navigate using a topographic map, plan, and scheme
- show the borders of continents and seas: land and territorial waters, extreme points of Ukraine, and neighbors of Ukraine on the map; geographic centers of Ukraine; geographic center of Europe in Ukraine
- show the administrative and territorial structure units of Ukraine on the map
- define local and zone time in the world and in Ukraine
- find and show on the maps of different sizes the lowlands, tectonic structures, basins, and fields of natural resources
- define the peculiarities of solar energy distribution, directions of movement of atmospheric fronts, cyclones, and anticyclones, and annual distribution of climatic indicators within Ukraine
- find and show river systems on the maps of different sizes
- conclude on the patterns of distribution of soils on the lowlands of Ukraine and the mountains
- analyze the fauna map

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- analyze the landscape map, correlation of natural and manmade landscapes in his or her land
- find and show biosphere and natural reserves on the maps of different sizes
- define the birth and death rates, natural and mechanic movement, the rate of women and men, and separate age groups in the structure of the country (region) population
- show on the map and name the regions of the world, countries, regions of Ukraine with the maximum and minimum population rate, natural growth, countries with the largest Ukrainian diaspora; regions of the world and Ukraine with the largest and smallest population density and urbanization level, the largest agglomerations, world cities, the largest cities in Ukraine; monoethnic and multinational countries, the regions of residence of national minorities of Ukraine; and regions of Ukraine with the largest and the smallest rate of labor resources;
- characterize the number and quality of labor resources of separate countries and Ukraine; compare the structure of population employment in separate countries and Ukraine.