**Дата:16.02.2021**

**Група №Б1**

**Урок №21**

Тема уроку*:*  *«*Building Materials. Concrete. *»*

Мета уроку: Ознайомити учнів з новою лексикою теми. Навчитися володіти професійною лексикою в усному мовленні та на письмі. Розвивати культуру професійного спілкування та мовленнєву реакцію учнів.

**Матеріали уроку:**

1. **Read the text: Concrete**

The most common form of concrete consists of Portland cement, construction aggregate (generally gravel and sand) and water. Concrete does not solidify from drying after mixing and placement; the water reacts with the cement in a chemical process known as hydration. This water is absorbed by cement, which hardens, gluing the other components together and eventually creating a stone-like material. When used in the generic sense, this is the material referred to by the term concrete. Concrete is used more than any other man-made material on the planet. It is used to make pavements, building structures, foundations, motorways/roads, overpasses, parking structures, brick/block walls and bases for gates, fences and poles. As of 2005, about six billion cubic meters of concrete are made each year, amounting to the equivalent of one cubic meter for every person on Earth. Concrete powers a US$35 billion industry which employs over two million workers in the United States alone. Over 55,000 miles of freeways and highways in America are made of this material. China currently consumes 40 % of world cement production.

1. **Find English equivalents in the text:**

Будівельний заповнювач –

піскогравій –

змішування і укладка –

відомий як –

склеюючи інші компоненти–

матеріал схожий на камінь –

загальний зміст –

штучний матеріал –

паркінгові споруди -

цегляні стіни –

основа для паркану–

світове виготовлення бетону–

1. **Give Russian equivalents to the following:**

common form –

Portland cement –

solidify –

chemical process –

hydration –

harden –

pavement –

overpass –

pole –

amount to –

employ –

freeways and highways –

**IV. Translate the text and say whether these statements are true or false:**

1. Concrete consists of Portland cement, gravel and sand.

2. Concrete hardens after mixing and placement.

3. Concrete isn’t used more than any other natural material on the planet.

4. We use concrete to make cars and heavy trucks.

5. Concrete wasn’t used till the year 2005.

6. Since 2005 the production of concrete has increased greatly.

7. Very few workers in the United States deal with concrete production.

8. They do not use concrete in making highways in the United States.

9. China consumes only a small part of world cement production.

**V. Continue the sentence:**

1. The most common form of concrete consists of … a) … construction aggregate and Portland cement. b) … gravel, sand and water. c) … construction aggregate, Portland cement and water.

2. Concrete hardens … a) … from drying after mixing and placement. b) … after water reacts with cement. c) … after mixing and drying.

3. Concrete is used more than any other … cial material.a) … arti b) … natural material.

4. A great deal of concrete is made each year, amounting … a) … to one cubic meter for every person on Earth. b) … six billion cubic meters. c) … to USD 35 billion industry

**Д/з: вивчити лексику завдання 2 та 3.**

Виконані роботи надсилати на е-адресу: [nataross2017@gmail.com](mailto:nataross2017@gmail.com)

Бажаю успіхів!