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**Предмет:** Английский язык

**Класс:** 10 класс

**Раздел:** Organic and non-organic worlds

**Тема:** Organic food and non-organic food. Vertical farming.

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| Learning objective(s) that these lessons are contributing to | -use feedback to set personal learning objectives - recognise the attitude or opinion of the speaker(s) in unsupported extended talk on a wide range of general and curricular topics, including talk on a limited range of unfamiliar topics and curricular topics - understand main points in extended texts on a wide range of familiar and some unfamiliar general and curricular topics - explain and justify their own and others' point of view on a range of general and curricular topics - use a growing range of vocabulary, which is appropriate to topic and genre, and which is spelt accurately |
| Lesson objectives                                            | All learners will be able to:<br>-predict possible answers before reading<br>- read the text and fill in the gaps<br>- add new words to vocabularies                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Lesson objectives                                            | Most learners will be able to:<br>-read and fill in the gaps<br>-Work in groups                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Lesson objectives                                            | Some learners will be able to:<br>□ make up questions about the article                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Language objective                                           | To contribute to the development of writing and reading skills                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Value links                                                  | Respect, Cooperation, Digital Learning/21st Century Skills                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Cross curricular links                                       | Biology, Chemistry                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| ICT skills                                                   | Smart board for presenting a PPT and video                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Previous learning                                            | Organic and non-organic food                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Kazakh culture                                               | Organic food in Kazakhstan                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Pastoral care                                                | To create a friendly atmosphere for collaborative work                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

### Ход урока

| Этапы урока                | Запланированная деятельность на уроке                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Ресурсы          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| Orientation<br>(2 min (W)) | Lesson Objectives<br>□ practice skills in identifying the author's view and purpose and expressing your point of view; □ discuss and present the advantages and disadvantages of vertical farming and organic and non-organic food.<br>□ Students will compare organic and non-organic farming<br>□ Students will define benefits of organic farming<br>□ predict possible answers before listening<br>□ add new words to vocabularies<br>□ listen and fill in the gaps<br>□ make cluster and cinquain | PPP<br>Slide 1-2 |
| Warm-up<br>(3 min)         | Students share the ideas they associate with the saying 'You are what you eat!'.<br>Students are informed on the topic of the lesson.                                                                                                                                                                                                                                                                                                                                                                  | PPP<br>Slide 3   |

| Этапы урока                          | Запланированная деятельность на уроке                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Ресурсы                                                                   |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|
| presentation<br>(5 min (I) 7 min(I)) | <p>Project «Organic and Non-Organic Worlds» Students are divided into 2 groups by the cards with words organic/non-organic and get acquainted with assessment criteria: Your groups name Criterion 1 Sayings Criterion 2 True /false Criterion 3 Cluster Criterion 4 Cinquain Total points 1 1 2 2 3 3 Students watch the video connected with the topic.</p> <p><input type="checkbox"/> 1) Inside the former tag arena is about 450 kinds of leafy greens.</p> <p><input type="checkbox"/> 2) The root misting system allows using 95 % less water.</p> <p><input type="checkbox"/> 3) Instead of the sun there are rows of specialized LED lighting.</p> <p><input type="checkbox"/> 4) Vertical farming could not feed overpopulated cities.</p> <p><input type="checkbox"/> 5) They also would cut greenhouse emissions by eliminating the need to transport food over short distances.</p> <p><input type="checkbox"/> 1-false</p> <p><input type="checkbox"/> 2-true</p> <p><input type="checkbox"/> 3-true</p> <p><input type="checkbox"/> 4-false</p> <p><input type="checkbox"/> 5-false</p> | Slide 9-11 This Farm of the Future Uses No Soil and 95% Less Water.mp4    |
| Reading<br>(7 min (P))               | <p>Pre-Reading Tell students that they are going to read an article about vertical farming. Get them discuss these questions:</p> <ul style="list-style-type: none"> <li>• What do you think a vertical farm is?</li> <li>• How does it work?</li> </ul> <p>While-Reading</p> <p>Choose and fill in the gaps the sentences A-H</p> <p>Answers:</p> <p>1) C 2) F 3) H 4) E 5)G 6)A 7) B</p> <p>After-Reading Students make cluster in groups.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <p>**Note: Now you can check the answers written on the PPP. Slide 13</p> |
| Group work:<br>(7min (Gr))           | <p>Sayings about food:</p> <p><input type="checkbox"/> Food is an important part of a balanced diet.</p> <p><input type="checkbox"/> Let food be our medicine and medicine be our food.</p> <p><input type="checkbox"/> Main idea 1: Use your windows to grow fruit and vegetables like tomatoes, peppers and strawberries.</p> <p><input type="checkbox"/> Main idea 2: Convert the roof of your block of flats into a garden or the idea of vertical farming</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <p>5e05a843b23ed.png</p> <p>Image not found or type unknown</p>           |
| Reflection<br>(3 min (Gr))           | Students write cinquain: Virtual Farming.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <p>5e05a86d397d8.png</p> <p>Image not found or type unknown</p>           |
| Feedback<br>(4 min (I))              | Students at the end of the lesson write about organic and non-organic food, vertical farming any interesting information they could have learnt during the last two lessons. Students take sheets of papers and give feedback.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Students' Feedback Slide 15                                               |