|  |
| --- |
| **Topic: Robots Smarter Than Humans By 2029** |
| **Instructor:** | **Level:** | **Age:**  | **Number of Students:** | **Length:** |
| Jinyong Kim | Intermediate | adults | 12 | 25 minutes |
| **Materials:** * Pictures
* Sticky words plates
* 12 copies of the text “Robots smarter than humans by 2029”
* 12 copies of comprehension questions
* 12 copies of the discussion worksheet
* White board and board markers
 |
| **Aims:*** SWBAT define some new vocabulary words in the reading material and know the usages of them by matching words with their meanings
* SWBAT describe and write future house images with Artificial Intelligence through the discussion activity
* SWBAT use the future tense through the discussion
 |
| **Language Skills:*** Reading: reading article and worksheets
* Listening: listening to teacher’s eliciting, instructions and classmates’ ideas
* Speaking: sharing ideas with a partner and within groups
* Writing: answering worksheets and doing homework
 |
| **Language Systems:*** Lexis: learning new vocabulary words in the article such as consistent and flirt
* Grammar: using of the future tense
* Discourse: sharing ideas and discussing with group members
* Function: describing the future house with Artificial Intelligence
 |
| **Assumptions:*** Students might know the teacher style of teaching and the pace of the course
* Students might know how the class is set up and run (there will be 4 student groups at each table)
* Students may know the skimming skill from the previous class
* Students might have imagined their future house before
 |
| **Anticipated Errors and Solutions:*** Students may find unfamiliar vocabulary words in the text
* Let them know the definitions of words using a word matching activity
* Students might have difficulty in answering the comprehension questions
* Teacher give extra time for them to finish
* If students finish their tasks earlier than anticipated
* Use filler activity
 |
| **References:*** Robots smarter than humans by 2029. (n.d.). In Breaking News English. Retrieved December 7, 2015, from http://www.breakingnewsenglish.com/1402/140226-artificial-intelligence.html
 |
| **Notes:** |

|  |
| --- |
| **Presentation:** |
| **Aims:**-SWBAT define some new vocabulary words in the reading material and know the usages of them by matching words and their meanings | **Materials:**-Pictures-Sticky words plates-White board and board markers |
| **Time** | **Set Up** | **Student**  | **Teacher** |
| 3 min3 min | Whole classWhole class | Students answer the questionStudents answer the questionsStudents listen to what teacher saysSome students step up and match the words.Students read out loud the sentences together  | **Lead-In**Hello, everyone! Good to see you again.How was your yesterday?**Eliciting**-What do you see in these pictures?-Have you seen these movies?(Bicentennial man, i, Robot and A.I.)-Do you know what AI stands for?AI stands for artificial intelligence, which means the intelligence exhibited by machines or software.Today, we are going to read the article about AI and have some time to think about our high-tech future.Let me introduce today’s outline.(Introduce the outline)IntroWord-matching activityScanningReading activityDiscussionPresentationHomework**Matching words with the meanings****Instruction**Before reading our text, we will check the new vocabulary words in the article first.I wrote some new words and the sentences where these words are used on the board. Read the words and the sentences carefully and match the correct meanings next to the sentences. Anyone can come up here and match the words. Each person can do just one word. I need 6 persons.Let’s begin.(Monitor discreetly. If students need some help, help them)Let’s read the sentences together.FasterLouderSlower… |
| **Notes:** |
|  |
| **Practice:** |
| **Aims:**-SWBAT use the future tense through the discussion | **Materials:**-12 copies of the text “Robots smarter than humans by 2029”-12 copies of comprehension questions-White board and board markers |
| **Time** | **Set Up** | **Student**  | **Teacher** |
| 2 min5 min2 min (or more or less) | Whole classIn pairsWhole class | Students answer the questionStudents listen to what teacher saysStudents answer the questionsStudents read the article and answer the comprehension questions with a partner Students answer the questions altogetherStudents listen to what teacher saysStudents share their ideas | Let’s move on to the main lesson.Last class, we learned and practiced skimming skill. Do you remember?Skimming is searching for main ideas while reading a text.**Instruction**Today, we will use the scanning skill. As you can see on the board, scanning is searching for details while reading a text. You don’t need to read and understand every single word in a passage when scanning.A technique for scanning is to search the text from the end to the beginning, to prevent reading for meaning from occurring.Make sure to search the text from the end to the beginning!I will give you an article and a worksheet for each of you. (Distribute the article and worksheet)What you need to do is pair up with your partner next to you and find the answers of the comprehension questions using scanning skill in pairs. I will give you 5 minutes.**ICQs**What are you supposed to do now?Do you work alone?Let’s get started.(Monitor discreetly. Answer students if they ask questions)(Give time warning: 30 seconds left) Do you need more time to do this?(If yes – give 30 seconds extra timeIf no – move on to the next)Check the answers together. Let them answer the questions.**Filler****Instruction**Before moving on the discussion, let’s talk about future images with Artificial Intelligence.What do you think the future classroom will look like in 2050? How about the future hospital?Pick some of students to answer the questions. |
| **Notes:** |
|  |
| **Production:** |
| **Aims:**-SWBAT describe and write future house images with Artificial Intelligence through the discussion activity-SWBAT use the future tense through the discussion | **Materials:**-Picture-12 copies of the discussion worksheet-White board and board markers |
| **Time** | **Set Up** | **Student**  | **Teacher** |
| 1 min5 min3 min | Whole classIn groupsWhole class | Students listen to what teacher saysStudents answer the questionsStudents share their ideas with group membersRepresentatives of each group present their groups’ ideas.  | **Group Discussions****Instruction**We talked about the future images with Artificial Intelligence. Isn’t it exciting to imagine the future images with all the high technology?Look at this picture. This is one of the examples of our future houses.**Demonstration**In the bathroom, doctors will be able to give you virtual medical checks. And toilets will analyze your waste for medical problems such as colon cancer using Artificial Intelligence.We will talk about what the future homes will look like in 2050 in groups of 4. Describe our future houses with Artificial Intelligence. You have 5 minutes to talk. And each group will present its ideas in front of the class. **ICQs**-How much time you have?-What are you supposed to do after the discussion?Let’s get started.(Monitor discreetly. Answer students if they ask questions)(Give time warning: 30 seconds left)**Presentation**Is there any volunteer who wants to share your group’s ideas? Okay then, I will pick one. Group#1, please come up here and describe our future house. (Positive feedback) |
| **Notes:** |
|  |
| **Post Production:** |
| **Aims:** | **Materials:**-White board and board markers |
| **Time** | **Set Up** | **Student**  | **Teacher** |
| 1 min | Whole class | Students answer the questionsStudents take notes of homework | **Closing**Good job, everyone. **CCQs**-Which reading skill you have learned today?-Do you have to understand every single word in a passage when scanning?-(Check the vocabulary words)**Homework**Make a poster about Artificial Intelligence and show your work to your classmates in the next lesson.See you, next class. Bye bye. |
| **Notes:** |

**Pictures**





**Reading material**

A scientist said robots will be more intelligent than humans by 2029. The scientist's name is Ray Kurzweil. He works for Google as Director of Engineering. He is one of the world's leading experts on artificial intelligence (A.I.). Mr Kurzweil believes computers will be able to learn from experiences, just like humans. He also thinks they will be able to tell jokes and stories, and even flirt. Kurzweil's 2029 prediction is a lot sooner than many people thought. The scientist said that in 1999, many A.I. experts said it would be hundreds of years before a computer was more intelligent than a human. He said that it would not be long before computer intelligence is one billion times more powerful than the human brain.

Mr Kurzweil joked that many years ago, people thought he was a little crazy for predicting computers would be as intelligent as humans. His thinking has stayed the same but everyone else has changed the way they think. He said: "My views are not radical any more. I've actually stayed consistent. It's the rest of the world that's changing its view." He highlighted examples of high-tech things we use, see or read about every day. These things make us believe that computers have intelligence. He said people think differently now: "Because the public has seen things like Siri [the iPhone's voice-recognition technology] where you talk to a computer; they've seen the Google self-driving cars."

**Comprehension questions**

|  |  |  |  |
| --- | --- | --- | --- |
| 1. | What is Ray Kurzweil's job? | 6. | Why did people think Dr Kurzweil was a little crazy? |
|   | a) brain surgeonb) IT consultantc) director of engineeringd) search engine engineer |   | a) his eyesb) for predicting computer intelligencec) he put jam on his fried eggsd) he loved bananas |
| 2. | What is Dr Kurzweil an expert on? | 7. | What happened to Kurzweil's thinking? |
|   | a) artificial intelligenceb) Googlec) world jokesd) TV |   | a) it is now very deepb) it has become impossible to     understandc) it has become very differentd) it has stayed the same |
| 3. | What will computers soon be able to tell? | 8. | What things did Kurzweil use to highlight computer intelligence? |
|   | a) humans what to dob) jokes and storiesc) the difference between an ant and an elephantd) the time |   | a) a powerful torchb) everyday high-tech thingsc) Microsoft Wordd) his thumb and index finger |
| 4. | When did scientists think it would be hundreds of years before computers were very intelligent? | 9. | What is the name of Apple's voice-recognition technology? |
|   | a) 1969b) 1971c) 1980d) 1999 |   | a) Hello Hellob) Siric) Pipd) Apple Pie |
| 5. | How many times more powerful than the brain will computers become? | 10. | What kind of high-tech cars have people seen? |
|   | a) 7b) 897,332.610.0002c) one billiond) 10 trillion |   | a) Google's self-driving carsb) the ones in the movie Star Warsc) 999GB carsd) blue and gold ones |

**What future homes will look like in 2050?**

* **Bedroom1:**
* **Bedroom2:**
* **Kitchen:**
* **Bathroom:**
* **Living Room:**
* **Dress Room:**
* **Garage:**