

Module 4. Technology

4A. Reading & Vocabulary

1. Read a sample article from an on-line magazine “Robot: The latest in Hobby, Science and Consumer Robotics”

(<http://www.botmag.com/index.shtml>) and say what you can do at Robotics summer camp.

Robotics Summer Camps!

Great venues for robot fun and education

by Professor Ken Berry



There is a growing number of summer camps _____ around the nation (USA) that _____ robotics _____. These are educational _____ where young _____ can learn the basics and get the chance to _____ robots ranging in complexity from entry level kits to more advanced projects that _____ early levels of “professional tool chains” used by programmers who have moved beyond BASIC.

Robotics summer camps help fill an essential educational _____ that continues to exist in many of our schools.

2. Read the article once again and fill in the gaps with the words given below.

venues

assemble

springing up

embody

gap

teach

on an entry level

hobbyists

3. Read the article again and say in a nutshell what it is about. Try to use new words.

4. Are there similar summer camps in Russia? Visit

http://www.computercamp.ru/2010_zima_rak.html and say what specials this camp offers to its visitors.

5. Work in pairs and discuss the following questions.

- ✓ What images spring to your mind when you hear the word “robot”?
- ✓ Will robots take over the world one day?
- ✓ The West sees robots as *menacing*, Japan sees them as helpful. How about you?
- ✓ Which movie robot is your favourite?
- ✓ What would you like your robot to do?
- ✓ Will robots ever be like humans?

6. Look at the jumbled words, make up questions using them. Then answer the questions to the text on p. 58, SB.

- ✓ does/ the/ how/ reflect/ title/ content/ the?
- ✓ is/ it/ to/ why/ difficult/ a/ robot/ invent/ thinking?
- ✓ is/ Honda's/ what/ experience?

7. Project work. Think of a robot of your dream:

- ✓ what functions it will perform,
- ✓ its appearance,
- ✓ its character,
- ✓ its size, name, etc.

4B. Listening & Speaking

1. Match the words with their definitions.

1. The machine that lets you put documents and such on paper.	CHATTING
2. The tool you use to type words onto the computer.	SPELLCHECKER
3. The program that checks your spelling.	SCANNER
4. Talking to other users by typing or using headphones.	MOUSEPAD
5. The most popular internet search engine.	SOFTWARE
6. What you use to click things on the screen.	VIRUS
7. What is another word for computer screen.	CURSOR
8. Any physical part of a computer.	PRINTER
9. The object on your screen that lets you point at things.	EMAIL
10. Internet mail.	HARDWARE
11. A machine that lets you put paper documents onto your computer.	KEYBOARD
12. A program that destroys your computer system.	GOOGLE
13. Any program on the computer.	MONITOR
14. The object that your mouse sits on.	MOUSE

2. a. Pair dictation. Work in pairs: student A says the definition, Student B writes the word. Then change over.

b. Make up sentences with three of the words. Let your partner translate them into English.

3. Answer the questions to the dialogue on p. 60, SB.

- ✓ Who are the characters of the dialogue? Where are they?
- ✓ What is Adrian's problem?
- ✓ What solution does Paul offer?
- ✓ What will Adrian do after he follows Paul's advice?
- ✓ Have you ever had problems like that? How did you solve them?

4. Complete the statements.

- ✓ If you have a virus on your computer, ...
- ✓ If you cannot connect to the Internet, ...
- ✓ If you've spilt something on the keyboard, ...
- ✓ If the screen has frozen, ...
- ✓ If you have deleted a file by mistake, ...

5. What Internet social services do you know? Have you ever used podcast/wiki/flickr? If not – let's do it now!

- ✓ <http://en.wikipedia.org/wiki/Robot> – Read about Robots. What information did you not know?
- ✓ <http://www.flickr.com/search/?q=robot> – What pictures do you like? Save some of them and explain your choice.
- ✓ Visit <http://podcast.com/> and search "robots". Choose any file that you like and listen to it, then share the information with your classmates.

4C. Grammar in Use

1. Explain the rules for using Future Simple and Future Continuous (Progressive) to your deskmate. Speak about adverbs of frequency and give examples of your own. Play the game TIC TAC TOE. Put a zero or a cross if you say two sentences with the same verb in Future Simple and Future Continuous correctly.

To	To	To
google	download	save

To arrive	To perform	To tell
To visit	To take an exam	To grill one's body in the sun

2. Choose the correct verb form to fill in the gap.

1. Where this time in three days?
 - a. will you have been
 - b. will you be being
 - c. will you be
2. What this time tomorrow?
 - a. will you have done
 - b. will you be doing
 - c. will you do
3. I don't think I my dinner in time for the party.
 - a. cook
 - b. have cooked
 - c. will have cooked
4. Don't call me in the evening because I at a live show of Madonna.
 - a. will be
 - b. am being
 - c. will have been
5. Do you think he English in two years' time?
 - a. will study
 - b. will have studied
 - c. will be studying

3. Complete the dialogue. Act it out.

Kate: Just think, this time next week I (lie) _____ on a tropical beach.

Leo: While you (relax) on the beach, I (stressed out) _____ over my project. How are you going to enjoy yourself knowing that I (work) _____ so hard?

Kate: I (manage) _____ somehow.

Leo: You are terrible. Can't you take me with you?

Kate: No. But I (send) _____ you a postcard of a beautiful white sand beach.

Leo: Great! That (make) _____ me feel much better!

4. Complete the sentences using Future Perfect Simple or Future Perfect Continuous.

1. By 2018 we _____ (live) in Moscow for 12 years.
2. He _____ (write) a book by the end of the week.
3. He _____ (write) this book for two hours by 3 o'clock tomorrow.
4. _____ (finish, you) this project by the next week?
5. _____ (be, she) in Canada for 5 months this week.

5. Complete the sentences using the verbs in brackets in Future Perfect.

1. We (to do) the washing by 8 o'clock.
2. Sam (to leave) by next week.
3. She (to discuss) this with her father tonight.
4. The police (to arrest) the driver by this time tomorrow.
5. Sandra (to complete) the essay by next Monday.

4D. Vocabulary & Speaking

1. Divide into two groups and discuss computers in our lives. Group A speaks about advantages and group B speaks about disadvantages. Say what you

think about computers and their impact on our lives, how they have changed our way of life, communication and many other aspects.

2. Visit <http://neutron.com.ua/internet/10-interesting-google-facts/> and find out 10 most amazing facts about Google. The text represents a blog message and is written in Russian. Your task is to render the facts into English and say which of the facts impress you the most.

3. Read the text “Living in a wired world” on p. 64, SB and answer the following questions.

- What do the following figures mean: 1970, 1990, 5, 80%?
- What is the second passage about?
- Do you agree with the idea of a 3D Internet?
- What have you learnt about the problems of access to the Internet?

Keys. Module 4. Technology

4A. Reading & Vocabulary

2. There is a growing number of summer camps springing up around the nation (USA) that teach robotics on an entry level. These are educational venues where young hobbyists can learn the basics and get the chance to assemble robots ranging in complexity from entry level kits to more advanced projects that embody early levels of “professional tool chains” used by programmers who have moved beyond BASIC.

Robotics summer camps help fill an essential educational gap that continues to exist in many of our schools.

4. This camp offers a wide range of activities, for example theatre for kids, discovery of new capabilities of computer, computer programming, chemistry, etc.

6.

- ✓ How does the title reflect the content?
- ✓ Why is it difficult to invent a thinking robot?
- ✓ What is Honda’s experience?

4B. Listening & Speaking

1.

1. PRINTER
2. KEYBOARD
3. SPELLCHECKER
4. CHATTING
5. GOOGLE
6. MOUSE
7. MONITOR
8. HARDWARE
9. CURSOR
10. EMAIL

11. SCANNER

12. VIRUS

13. SOFTWARE

14. MOUSEPAD

3.

- ✓ They are friends, Adrian and Paul. They're at home.
- ✓ His computer keeps crashing.
- ✓ He offers to do a full scan with anti-virus software.
- ✓ If he still has a problem he will call Paul again.

4C. Grammar in Use

2.

1. Where this time in three days?

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- b. will you be being
- c. will you be

2. What this time tomorrow?

- a. will you have done
- b. will you be doing
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3. I don't think I my dinner in time for the party.

- a. cook
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5. Do you think he English in two years' time?

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- c. will be studying

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Leo: While you will be relaxing on the beach, I will be stressed out over my project. How are you going to enjoy yourself knowing that I will be working so hard?

Kate: I'll manage somehow.

Leo: You are terrible. Can't you take me with you?

Kate: No. But I'll send you a postcard of a beautiful white sand beach.

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4.

1. By 2018 we will have been living in Moscow for 12 years.
2. He will have written a book by the end of the week.
3. He will have been writing this book for two hours by 3 o'clock tomorrow.
4. Will you have finished this project by the next week?
5. She will have been in Canada for 5 months this week.

5.

1. We will have done the washing by 8 o'clock.
2. Sam will have left by next week.
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4. The police will have arrested the driver by this time tomorrow.
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4D. Vocabulary & Speaking

3.

- 1970 – the time when the Internet was only really used by academics and military researchers; 1990 – boom of its popularity; 5 – the number of years needed for the Internet to reach 50 mln users; 80% – number of websites which are in English.
- It's about the booming popularity of the Internet.