



**МБОУ ГИМНАЗИЯ №1**  
*г. Армавир*  
*им. В.И. Варенникова*

# **ПОПУЛЯРИЗАЦИЯ РОБОТОТЕХНИКИ НА УРОКАХ АНГЛИЙСКОГО ЯЗЫКА**

**Выполнили:**

**учителя английского языка**

**МБОУ гимназии №1**

**КАШАРАБА Е.А**

**КИСЛОВА В.А.**



**Английский Язык**

+

**Робототехника**

**ТЕХНИЧЕСКОЕ**

**Инженерное мышление**

**Логика**

**Внимание**

**Креативность**

**Мотивация**

**Терминология**

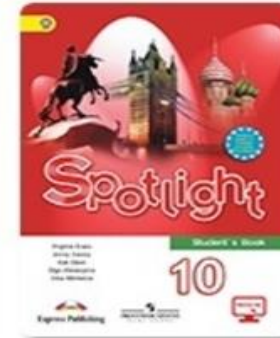
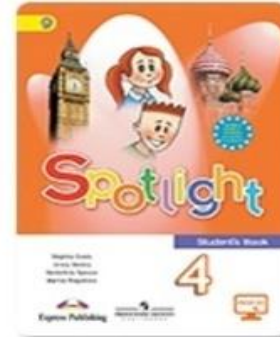


# МБОУ ГИМНАЗИЯ №1

в Армавиру  
им. В.И. Варенникова



УМК по английскому языку «Английский в фокусе» ("Spotlight")



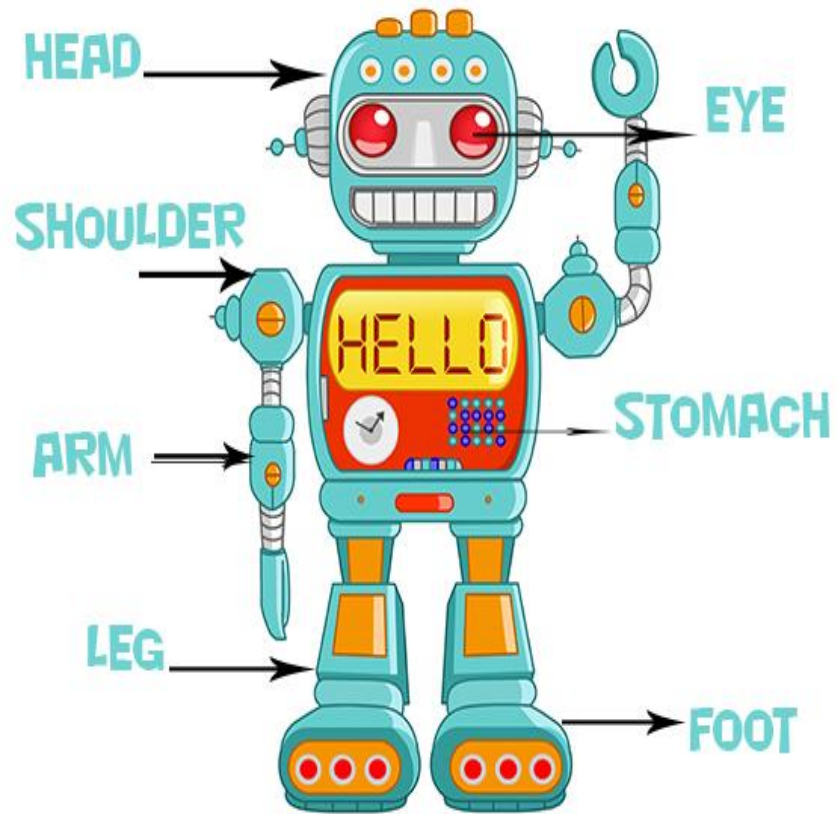




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3 «Б» класс  
Проект «My  
robot»



Придумай своего робота,  
нарисуй его и опиши.  
This is \_\_\_\_\_. It is my robot. It is  
\_\_\_\_\_. It has got \_\_\_\_\_. It can \_\_\_\_\_.  
I like my robot very much!



## Cows are funny!

1 Слушай и повторяй.



small nose



big ears



small head



big eyes



thin legs



fat body

3 Это Погго. Опиши его.

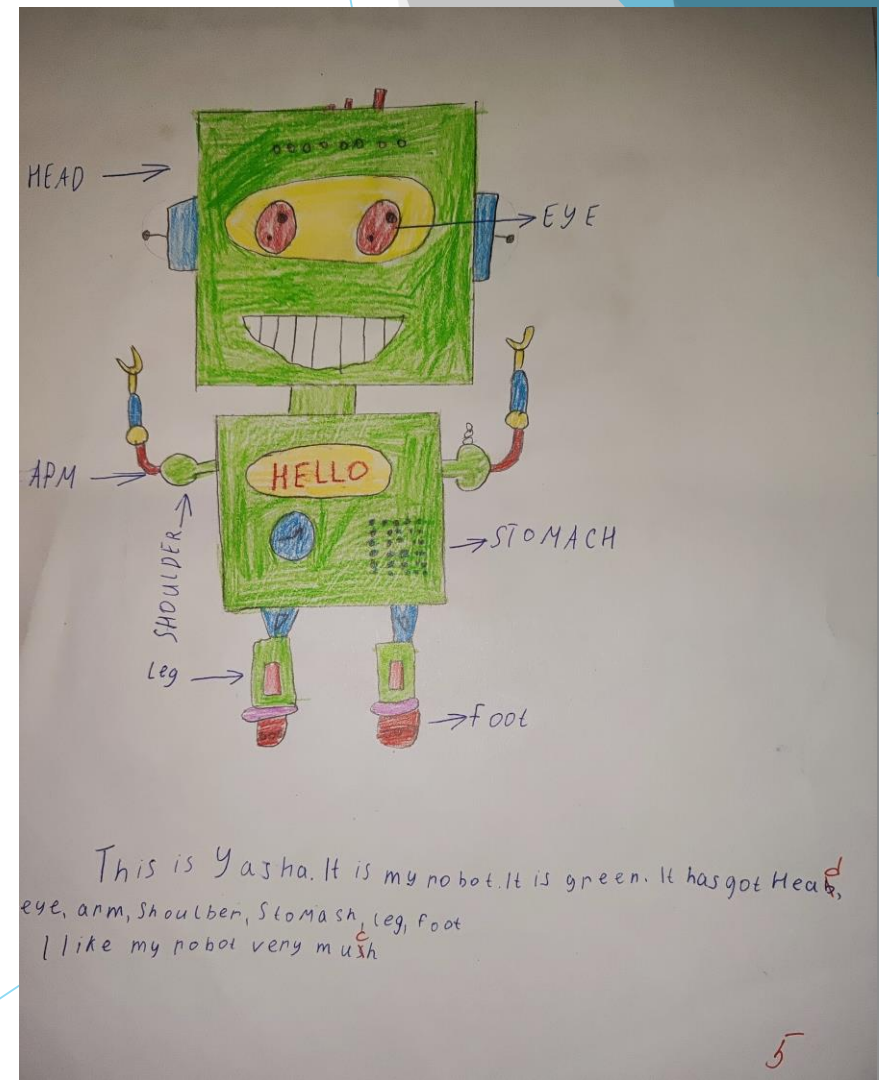
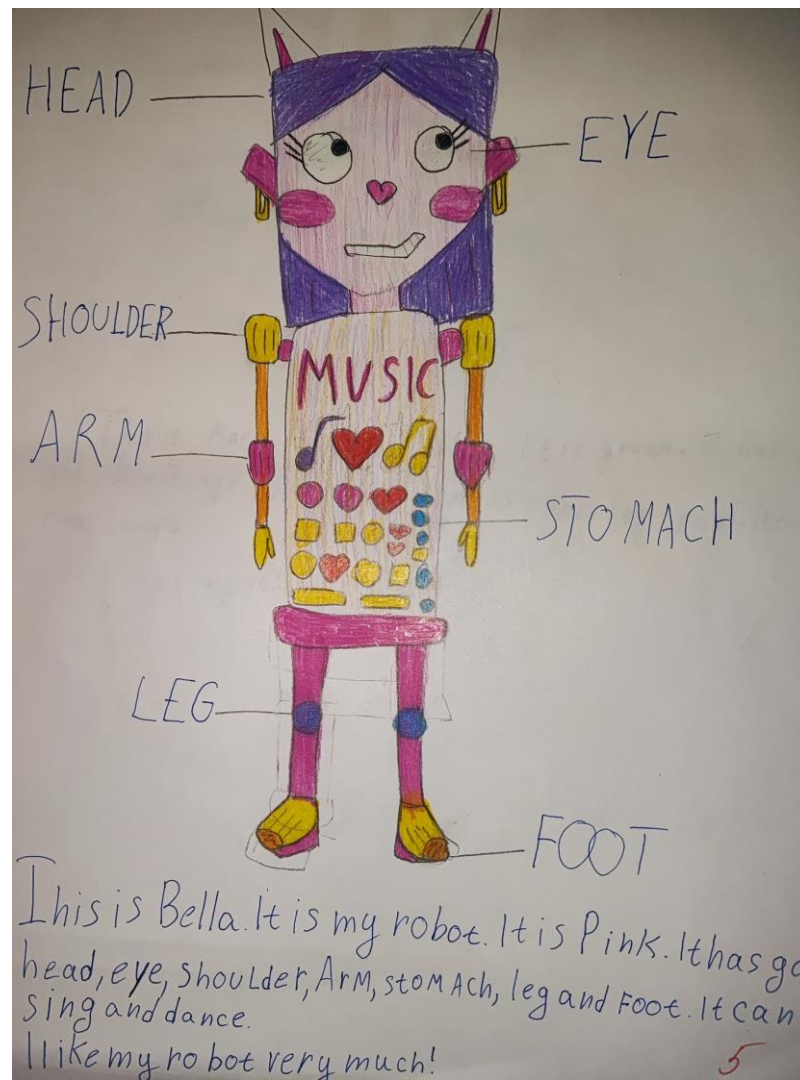
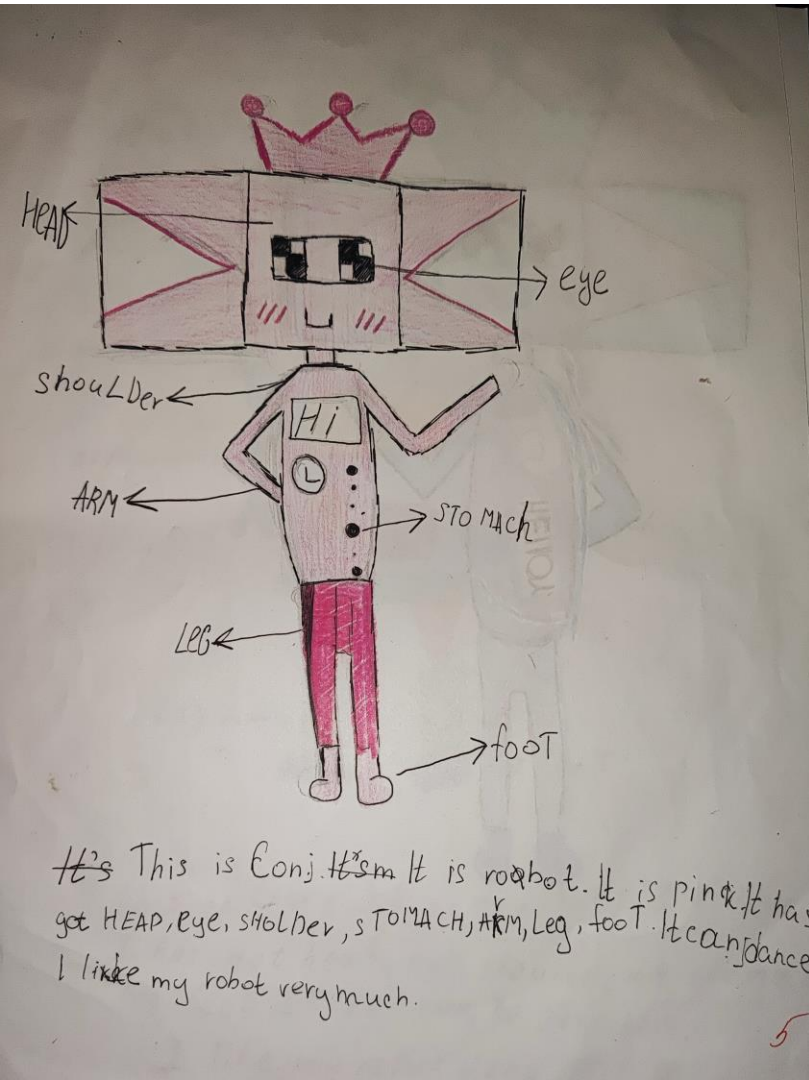


Poggo's got a big head!





# Проекты начальной школы







## Module 5

### What the future holds

- ◆ Before you start ...
  - What did you last watch on TV? What's your favourite programme?
  - What were you doing yesterday at 7 pm?
- ◆ Write / Make ...
  - predictions about the future
  - an advertisement for a gadget
  - an opinion essay
  - a short questionnaire on gadgets
  - a survey

- ◆ Look at Module 5  
Find the page numbers for pictures 1-3.
- ◆ Find the page numbers for
  - an underwater city
  - children's predictions

- ◆ Listen, read and talk about ...
  - predictions about life in 2100
  - gadgets
  - computers
  - hi-tech teenagers
- ◆ Learn how to ...
  - make predictions about the future
  - agree – disagree
  - give instructions

- ◆ Practise ...
  - phrasal verbs: look
  - will/ won't (future simple)
  - 0 & 1st conditional
  - pronoun one
  - infinitive of purpose
  - word formation: adjectives with -ous, -y, -al, -ful
  - reading rules: a + in, sk, ll; o + m, n, v
  - pronunciation: /a:/ – /ɪ/



## 5 a Predictions

1 I'm sure life in 2100 will be very different. The earth will be so polluted that we won't be able to live on it anymore. It will be difficult to find clean water and lots of animals and plants won't exist anymore. I think we will live in glass domes in underwater cities and will travel in special mini-submarines. Mark (13)

2 I think life will change for the better in 2100. Everyone will have a robotic housemaid that will do all the housework and look after the kids. We will also have robotic teachers and if you don't want to go to school, you won't have to because there will be online schools. Jennifer (13)

3 I think that we will be able to take holidays on the moon in 2100. A moon shuttle will travel from the Earth to the moon in only a few hours. There will be moon hotels where people can stay, and moon zoos where we will see strange creatures. People will wear special suits that keep them on the ground. But I'm not sure everyone will have enough money to go on a holiday to the moon. Jake (14)

4 I believe we will have flying cars and we will be able to fly around cities. If we have flying cars, there won't be any traffic jams. I also think that there won't be any petrol left, so we will use another fuel that won't cause pollution. It will be better for the planet. Brad (14)

### Reading

- 1 a) Look at the pictures and the texts by schoolchildren. How are they related to the title of the unit?  
b) Which of the following can you see in pictures (1-4)?
- online schools
  - special suits
  - glass domes
  - flying cars
  - underwater cities
  - robotic housemaids
- 2 a) Read the texts and choose the best answer, A, B or C. Explain the words in bold.
- 1 Mark thinks that the earth will be  
A covered in water.  
B very dirty.  
C cleaner than today.
- 2 Jennifer believes there will be robotic  
A teachers. B kids. C houses.

## 5 b Gadget madness

◆ Gadgets

1 Which of the gadgets 1-7 do you use? What for? Use the ideas to tell your partner. Mind the use of infinitive of purpose.

- listen to music
- send emails
- surf the Net
- take pictures
- watch films
- play with it
- read electronic books
- talk to friends and family
- send text messages
- store music files

2 a) I use a tablet to read electronic books. What about you?  
b) I use...

3 a) Read the dialogue and complete the sentences. Then explain the words/phrases in bold.

Chris: Hey, Bridget! Where are you going?  
Bridget: Hi, Chris. I'm on my way to buy a virtual pet.  
Chris: What are you talking about? What is a virtual pet?  
Bridget: Well, my mum says I can't have a real dog so I am going to get a computerised one.  
Chris: A computerised dog?  
Bridget: Yes, Chris, I'm going to buy a puppy, name it, feed it, and train it. All I have to do is press buttons on the gadget!  
Chris: So when your virtual dog is hungry, you press a button that shows you are feeding it?  
Bridget: Exactly! There is a button for waking it as well. It will be like having a real dog, because you have to take care of it every day.  
Chris: Oh, come off it! It won't be like a real pet because it won't show you any affection!  
Bridget: Well... You have a point there. Still I like the idea.

## Speaking

- 7 a) Look at the list below. Which arguments are in favour of virtual dogs/ real dogs? Use them as well as the language in Ex. 6 to discuss.

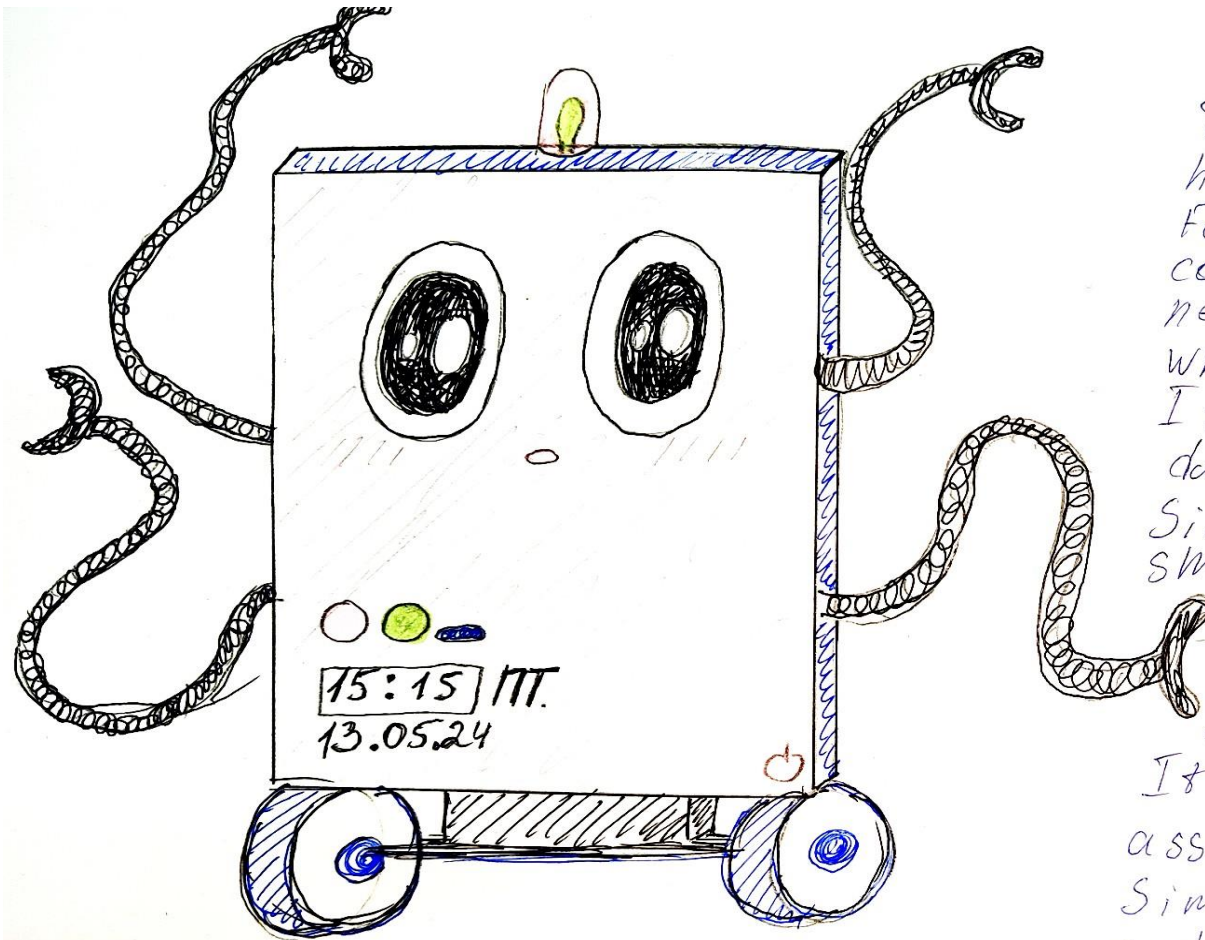
- don't have to clean up after them
- can show you affection
- don't need a vet
- bark when hungry
- don't shed hair
- can protect you
- are expensive to keep



- A: I prefer virtual dogs because you don't have to clean up after them.
  - B: I don't agree. I prefer real dogs because ...
- b) What do you want your pet (to be able) to do?



# Индивидуальный проект учащихся 7 классов



Sima.

This is an assistant robot, his name is Sima. He has four hands to be more comfortable with the necessary things, he has wheels to move faster. It can show the time, date and day of the week. Sima easily copes with small household chores: bring something, wash the dishes, wipe the dust, wash the floors. It has a built-in voice assistant. He likes to talk. Sima is very friendly, kind and smart. I wish I had a robot like that.

Чмох Е.



# Module 4

## Technology

### ◆ Before you start ...

- Do you believe there are mysterious creatures? What books/films do you know about them?
- What is the worst nightmare you have ever had?
- Have you ever visited a haunted house?
- What is your favourite ghost story? Why?

### ◆ Look at Module 4

Find the page numbers for pictures 1-4.

### ◆ Find the page numbers for

- a mind map
- speech bubbles

### ◆ Listen, read and talk about ...

- robots & technology
- computers & the Internet
- The Gadget Show
- e-waste

### ◆ Learn how to ...

- offer solutions & respond
- hesitate & avoid giving a direct answer
- ask for & express positive or negative opinions

### ◆ Practise ...

- ways of talking about the future
- time clauses
- clauses of purpose/result
- idioms related to technology
- phrasal verbs: break
- word formation: forming nouns from verbs
- words often confused: invented/discovered, research/experiment, electric/electronic, engine/machine, access/download, effected/affected, offered/suggested

### ◆ Write / Give ...

- a short summary of a text
- an opinion essay
- a short article about a TV programme
- a two-minute talk about e-waste.



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# МБОУ ГИМНАЗИЯ №1

в Армавиру

## им. В.И. Варенникова



## 4a Reading & Vocabulary

### Where Are The ROBOTS?

Science fiction writers, including Jules Verne and Isaac Asimov, wrote about rockets to the moon, nuclear power, the Internet and robots. All of these things are now a reality, that is of course, except for the robots. So where are these household robots we were promised? Where are our robot helpers to do the ironing, cook dinner, walk the dog, clean the house and so on?

It is true that we have already got some robots which can perform a single task such as vacuuming the carpets or mowing the lawn, but what about the human-like companions we were promised that can walk, talk and cater for all our needs? Perhaps it is much more difficult in practice than in theory to build such a robot.

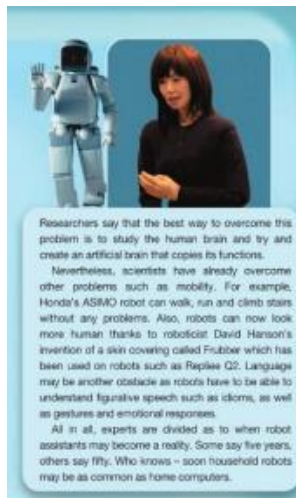
The truth is that for such a robot to exist it must be able to think and scientists simply don't know how to give robots this ability. They don't have the knowledge to give a robot intelligence or the power of reasoning. Worse still, it seems that they may never work it out.

- 7 Robots use a common language to understand each other.
- 8 Nobody knows how long it will be before we have household robots.

### Vocabulary Technology

5 Complete with: built, overcome, divided, become, perform, cater, exist.

- 1 One day, robots in our homes will ... a reality.
- 2 Today, we have robots that are able to ... one task only.
- 3 Scientists have not yet ... the problem of how to make a robot think.
- 4 Experts are ... as to when we will all have robot assistants.
- 5 It would be great to have a robot to ... for all our needs.
- 6 Honda ... a robot called ASIMO that can climb stairs.
- 7 Robots that can think like humans do not ... yet.



Researchers say that the best way to overcome this problem is to study the human brain and try and create an artificial brain that copies its functions.

Nevertheless, scientists have already overcome other problems such as mobility. For example, Honda's ASIMO robot can walk, run and climb stairs without any problems. Also, robots can now look more human thanks to roboticist David Hanson's invention of a skin covering called Frubber which has been used on robots such as Repliee Q2. Language may be another obstacle as robots have to be able to understand figurative speech such as idioms, as well as gestures and emotional responses.

All in all, experts are divided as to when robot assistants may become a reality. Some say five years, others say fifty. Who knows - soon household robots may be as common as home computers.

6 Match the words from the text to make phrases, then use them in sentences of your own to talk about the text.

- |              |              |
|--------------|--------------|
| 1 nuclear    | 4 artificial |
| 2 figurative | 5 emotional  |
| 3 household  | 6 overcome   |

- |             |             |
|-------------|-------------|
| a brain     | d power     |
| b robots    | e speech    |
| c a problem | f responses |

7 Find the correct word. Check in the Word List.

- 1 The invention/discovery of a thinking robot lies in the future.
- 2 Robot factory workers are now a fact/reality.
- 3 The main problem/trouble with creating a robot is how to give it intelligence.
- 4 I would love to own a robot that could clean/clear my house.
- 5 Language is an obstruction/obstacle to creating a functioning robot.
- 6 It is quite ordinary/common for households to have a microwave.

### Speaking

8 **Think!** Imagine that robots existed that could do all the housework and lots of other tasks, too. In pairs, discuss how your life would change if you had one.

- A Robots could do the boring jobs like cleaning the windows, couldn't they?
- B Yes, and they could even wash the car, so we'd have much more free time.

### Writing

#### study skills

**Summarising**  
Make notes on the main points of the text under appropriate headings. Start your piece of writing with one sentence that summarises the idea of the whole text. Write your summary, including all the main points in your own words. Check that your summary is clear, complete and makes sense.

9 Listen to and read the text again. Think of a heading for each paragraph. Make notes under the headings. Write your summary. Read it to the class.

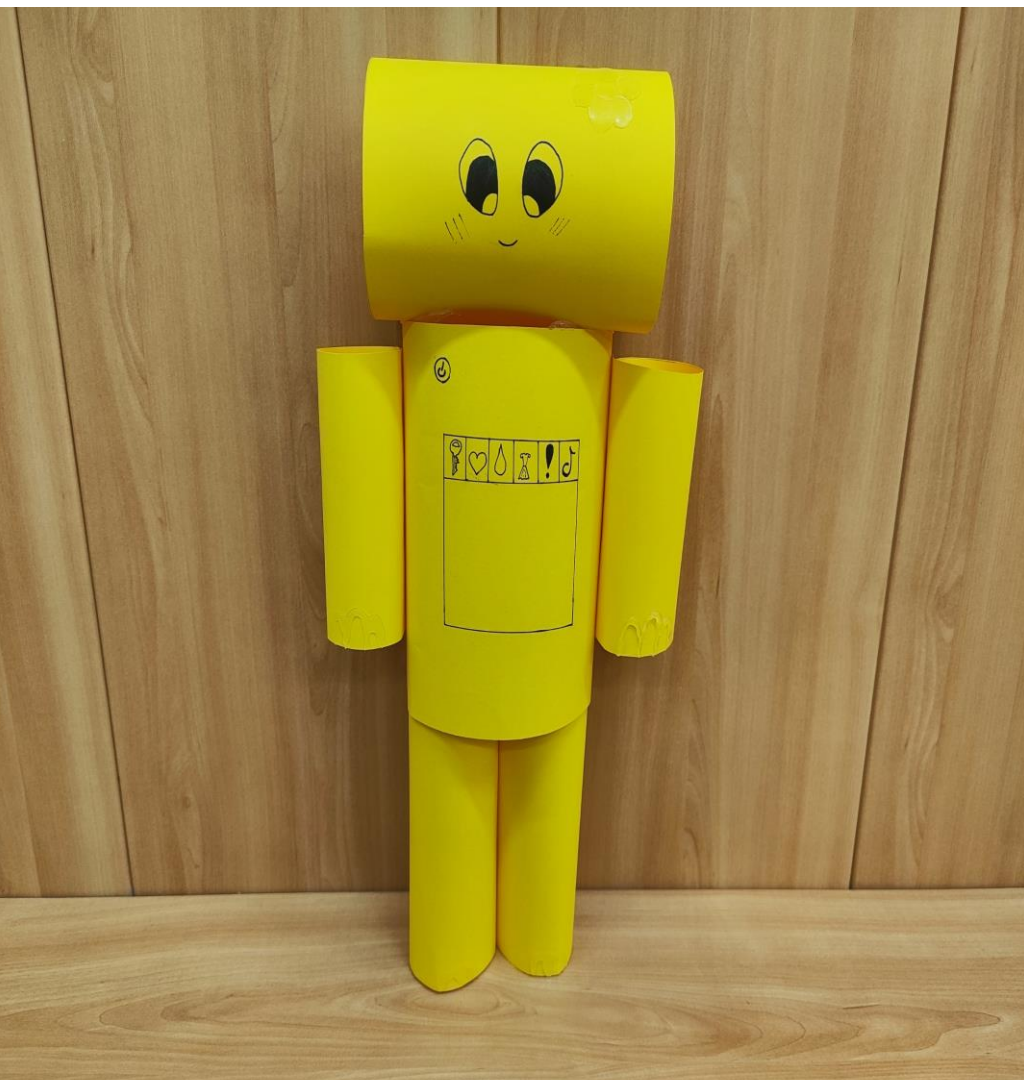




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Групповой проект учащихся 9 классов



## Vasilisa's robot.

She is very cool: she is yellow in color with thin poles and a bow on her head.

## ♡ She knows how:

- to look for lost keys (and other things);
- to perform the function of a healthy motivator;
- supports if he notices that a person is sad;
- to spit water in face if yells at her;
- to assemble an image the next day (girls will understand);
- to remind what a person needs to do (go to the store, etc.);
- to flip through shorts and tiktoks when the owner's hands are busy

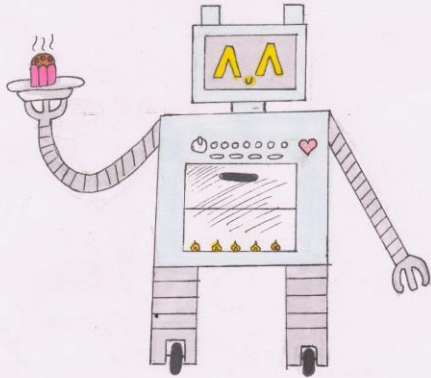
Vasilisa can be a good helper for everyone! ♡





## Проекты 5-11 классов

### РОБОТ-ВАКЕР



### HE CAN:

- Cook very well and knows all the recipes in the world.
- Help around the house
- Be a great conversationalist



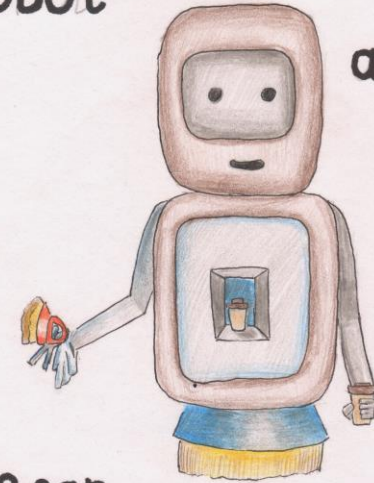
### robot florist

name: Rose-mary

She loves to take care of plants very much. She can work in the garden and help with household chores.

### Robot

### assistant

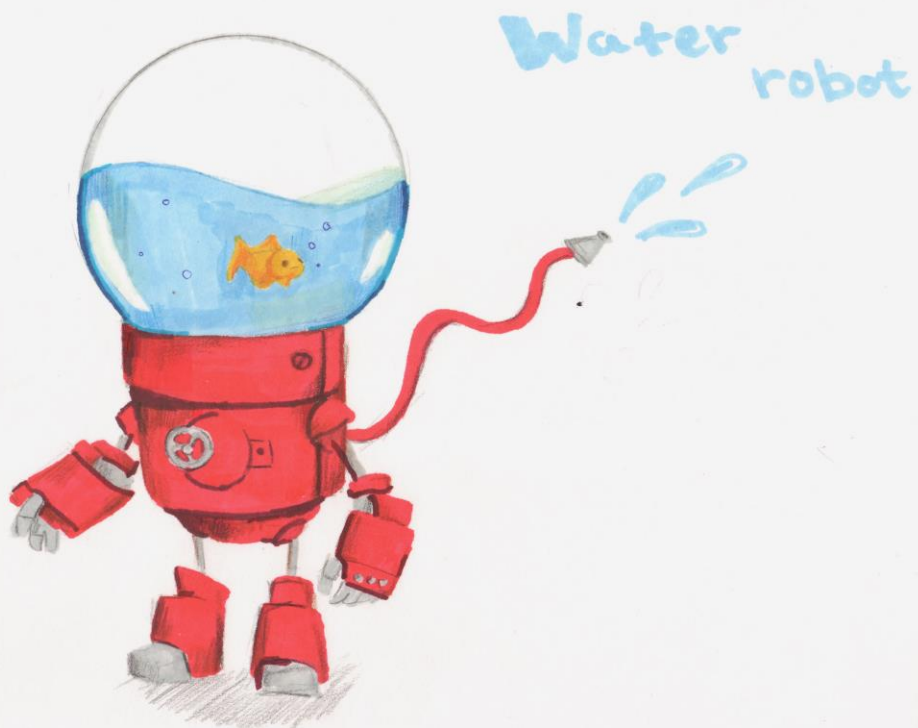


### He can...

- wash
- wipe the dust
- makes juices
- vacuum
- prepares food



## Проекты 5-11 классов

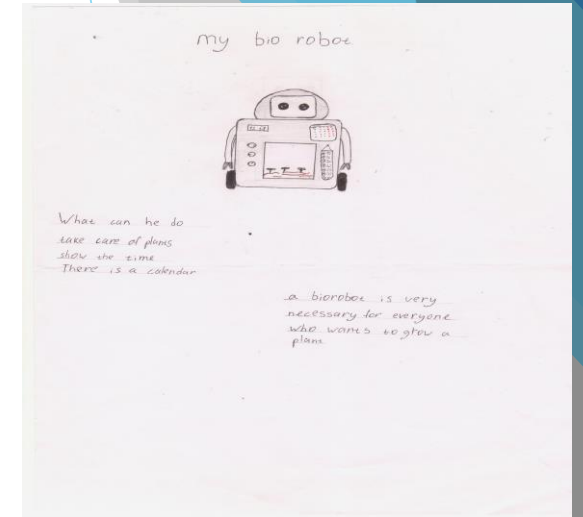
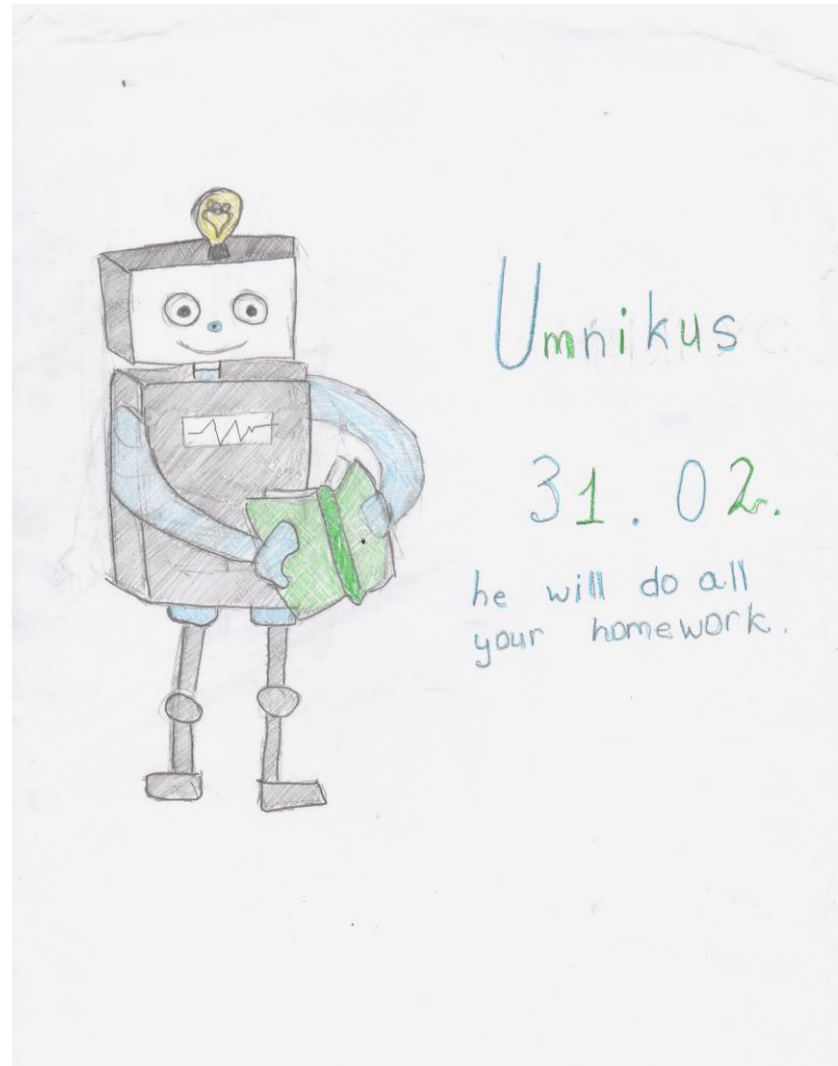
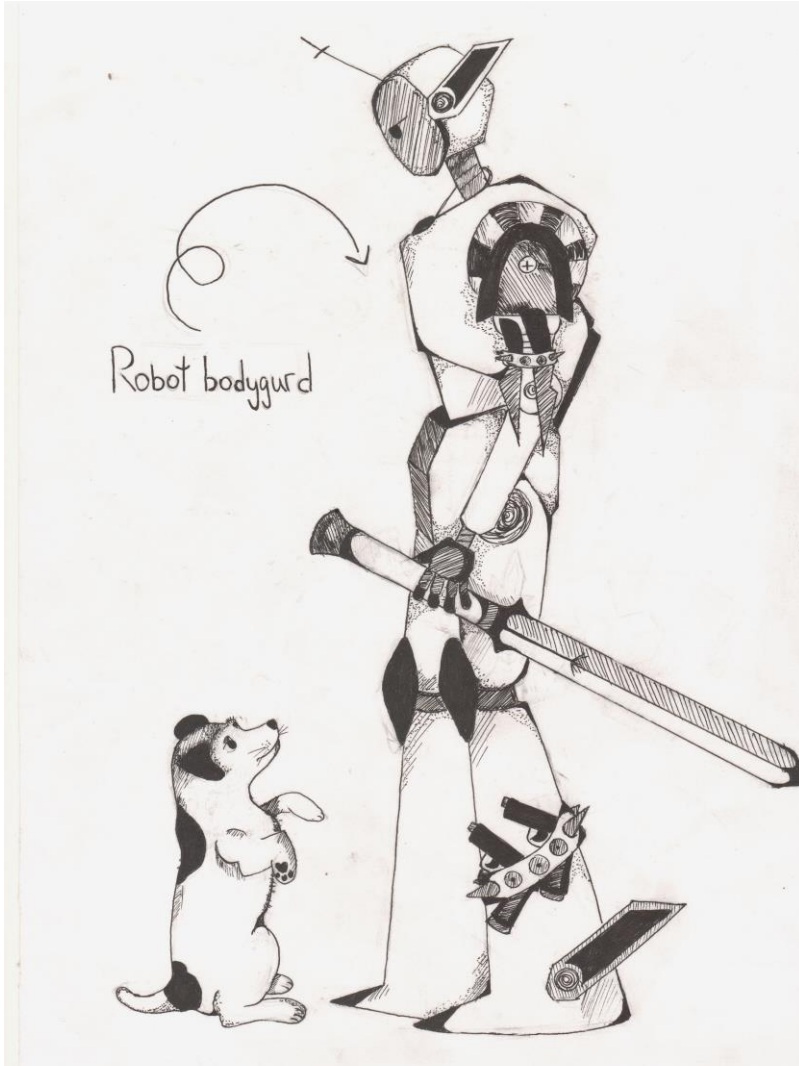


✦ Robot cosmetologist ✦  
The robot helps keep your skin in excellent condition.  
Thanks to it your skin will glow!





## Проекты 5-11 классов

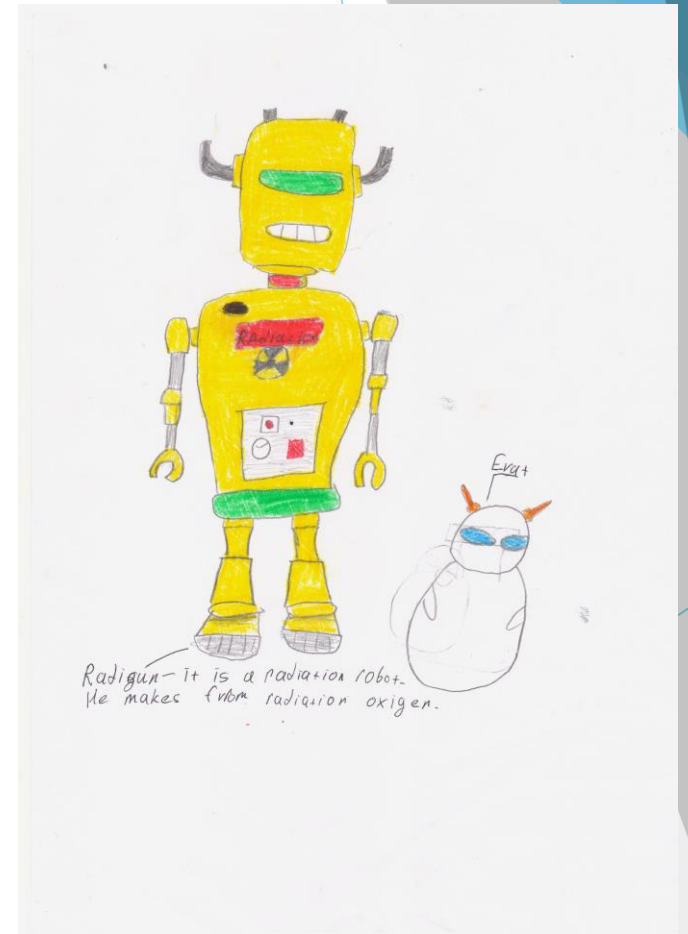
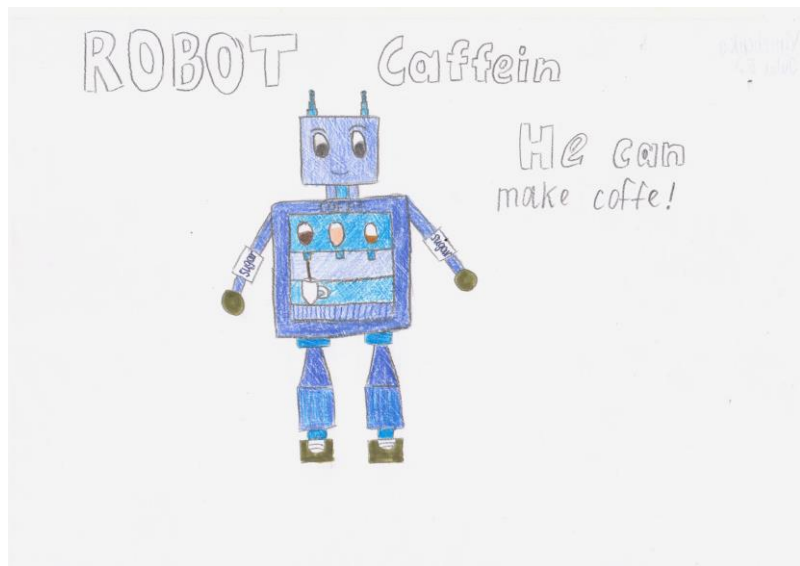




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**СПАСИБО ЗА ВНИМАНИЕ**