

ТАРСКИХ ЕЛЕНА НИКОЛАЕВНА, учитель иностранного языка МАНУЙЛОВА ОЛЬГА ВЛАДИМИРОВНА, учитель английского языка МБОУ СОШ №24 Г. НОВОРОССИЙСК



ТЕАТРАЛЬНАЯ ДЕЯТЕЛЬНОСТЬ:

- интеллектуальное развитие (развитие памяти, воображения; мыслительные операции, анализ, интерпретация, предъявление информации);

- отработка произношения и интонации;
- пополнение вокабуляра;
- регулятивные УУД;
- социальная адаптация;
- повышение самооценки и

мотивации.





Этапы проведения урока с использованием видеоматериалов:

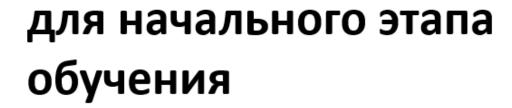
подготовка (Pre-Viewing Activities) проводится предварительное обсуждение, в ходе которого повторяется лексика, близкая к тематике фильма, а также стимулируется интерес учащихся к теме;

просмотр (Viewing Activities)

учащимся предлагаются упражнения на поиск определенной информации.

работа после просмотра (Post-Viewing Activities)

обсуждение с учащимися увиденного, соотношение с реальными ситуациями в их жизни, в их стране и анализ сходства и различия в культуре.



для среднего этапа

для старшего этапа

Pre-Viewing Activities

Personal Names

Lilo Nani Mr. Bubbles Elvis Presley Pudge the fish

Place Name

Hawaii



Phrases

to be late – опоздать to look like – быть похожим

to eat four groups – есть 4 раза в день

to look both ways before crossing the street – смотреть по сторонам перед тем, как переходить дорогу

to take long naps – долго спать

Vocabulary work

Match the words with their meaning.



Aloha

Hula

- гавайский народный танец
- острова <u>Алохи</u>
- на гавайском языке «любовь», «привязанность»



Viewing Activities

- 1. Be ready to answer these questions:
 - 1) Is there anybody in the truck? Who?
 - 2) What streets does Benny mention?
 - 3) Where do they meet two alligators?
 - 4) What is «the green lady»?
 - 5) How do the alligators name the Statue of Liberty?
- 2. Which of the synonyms below are used in the video?
 - a) trashy, wretched, rotten;
 - b) universal, overall, general;
 - c) tiny, wee, teensy;
 - d) cuddly, pleasant, nice.







- #1 ANIMATED MOVIE OF THE YEAR

 DISNEY PIXAR
- Retell this part of the video as if you were Lightning
 McQueen (mind his way of speaking).
- Speak of your first impression of McQueen. These words and expressions may be of aid:
 - speed; winner; to eat <u>smb</u> for breakfast; stay focused; to be faster than fast; the rookie; the legend; the runner-up; to make it through; to take the lead; to lost a <u>tyre</u>; to love being yourself; to wise up; looking good; to like working alone; a one-man show.

Find animals!

EGBSAYOSEUMRLGCW TXVIUZPLHRVOOJUW FAMBERIMYZARNIBW WKKBFDRREGIT\$KFH YORROKQQYLTMCREU QAECEZDALSHTOWFY TKOLWELAFSFXRKBP NRVLIUMBRUNLPONA CHIMPAZEEB SPIDER SEALIPNBILKFOODR NIHPLODSTAENNRNO EXOFFJFPUWIPANZT LGVRRGIHBHGZHWND AWOXNUSYRDIIIATM HGOBAEHBZLOCCBNF WSNVSCHIGMGGCHBT



Across

- This animal has four legs and lives in water.
- This animal has a very long neck and eats leaves from the trees.
- It is a kind of fish and it can save people.
- Single form of oxen.

Down

- 1. This animal has a long trunk.
- This animal has red fur and very cunning.
- King of animals.
- 8. It catches mice.

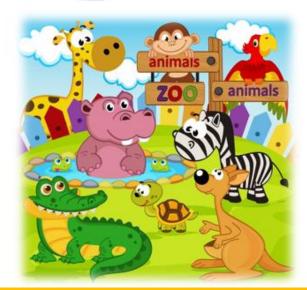
Finish the sentence and answer the questions.



- 1) On October 2nd the weather was
- 2) On ____ the weather was snowy.
- 3) How many days in October were cloudy?

Fill in the blanks and frames with the names of animals according to the prompts. Read the word that turned out vertically





Find the endings to the proverbs and write them down.

Time is

Advice is

Better late

Live

power. Knowledge is perfect. money. cheap. and learn. a good end. cheep. late to learn. perfect. Practice makes so many minds. a good end. like pupil. A good beginning makes than never. and learn. pleasure. Business before than two. late to learn.pleasure. It is never too like pupils. than never. Like teacher, than two. Four eyes see better money so many minds.power. So many men,





CATHREE – DOTROC – d o c t o r

NETTICISS – REGNENIE – EVEDETTIC –







problem thinking solution



information and yellow the false information.

Прочитай мини-биографию Элизабет. Отметь зелёным цветом правильную информацию, а жёлтым цветом — ошибочную.



My name is Elizabeth. I am 7.
My birthday is on September 24.
I am from America. I live in London.
I like to draw. I like cats very much.
I have a dog. Her name is Mint.

ЧИТАТЕЛЬСКИЕ СТРАТЕГИИ:

- **о стратегии предтекстовой деятельности;**
- **о стратегии текстовой деятельности;**
- **о стратегии послетекстовой деятельности;**
- **о стратегия развития словаря**;
- **о стратегия компрессии текста;**
- **общеучебные стратегии.**









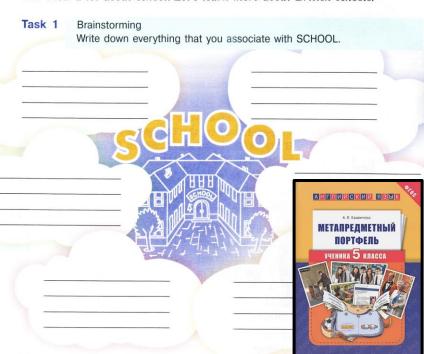
«ПРЕДВАРЯЮЩИЕ ВОПРОСЫ» (смысловая догадка о возможном содержании текста по заглавию и иллюстрациям)

«ГЛОССАРИЙ»
(актуализация и
повторение слов,
связанных с темой текста)

«МОЗГОВОЙ ШТУРМ» (актуализация предшествующих знаний и опыта, имеющих отношение к теме текста)

What is it like abroad?

You know a lot about school, Let's learn more about British schools!



Task 2 You've got a letter from Jim. He answered your question and wrote about schools in Great Britain. Read the email and mark the answers (see the example) to the questions in the letter.

Example

Questions:

1. Is the education system in Great Britain complex?

2. What types of schools are there in Great Britain?

Text:

You asked about schools in Great Britain. You know, our education system is complex. There are state schools (no fees) and private schools (fee-paying).





ЧТЕНИЕ ПРО СЕБЯ С пометками или МАРКИРОВКА

(использование читателем значков «+», «-», «?» по мере чтения на полях)

поиск ответов на поставленные в первой части урока вопрос

возврат к ключевым словам, верным и неверным утверждениям

ЧТЕНИЕ ПРО СЕБЯ С ВОПРОСАМИ

(формулирование вопросов к каждому абзацу после прочтения, ответы на поставленные вопросы)

установление причинноследственных связей между блоками информации

заполнение кластеров, таблиц

МЕТОДЫ АКТИВНОГО ЧТЕНИЯ

(мониторинг понимания читаемого текста и его критический анализ)



You've got a letter from Jim. He answered your question and wrote about schools in Great Britain. Read the email and mark the answers (see the example) to the questions in the letter.

Example

Questions:

1. Is the education system in Great Britain complex? 2. What types of schools are there in Great Britain?

You asked about schools in Great Britain. You know, our education system is complex. There are state schools (no fees) and private schools (fee-paying).

- 1. Is the education system in Great Britain complex?
- 2. What types of schools are there in Great Britain? 3. At what age do British children transfer from
- primary to secondary school? 4. How long do British children study at secondary
- 5. What subjects are compulsory in British schools?
- 6. What types of schools are there in Russia?

New Message

From: Jim (jimrichards@bestpenpal.com)

Subject: About British schools

You asked about schools in Great Britain. You know, our education system is complex. There are state schools (no fees) and private schools (feepaying). The state school system in the UK is divided into primary and secondary. The primary schools are divided into infant schools (for children from five to seven years old), and junior schools (for children from seven to eleven years old). At the age of eleven we transfer from primary to secondary school and study during six years. The compulsory subjects are English, Maths and Science. My favourite subjects are English and PE.

I know a little about schools in Russia. You also have many types of schools, for example general secondary schools, lyceums and others. Most of them are free of charge, but private schools are fee-paying. You study in a general secondary school for eleven years. Thanks to you now I know more. Russian children learn many subjects in the 5th grade and have many teachers. At the end of the 11th grade you take the Russian State Exam, don't you? Write to me about it, please. I'll be waiting for your answer.

Thank you for your letter. I was very glad to get it.

Best wishes,

state school — государственная школа

fee — плата за обучение private school — частная школа is divided — лелится

primary — начальный secondary - средний (основной) infant school школа для малы

meñ junior school to transfer — переходить

general secondary school — общеобразовательная школа free of charge — бесплатный













ПОСЛЕТЕКСТОВЫЕ СТРАТЕГИИ:

корректировка читательской интерпретации авторского замысла; применение и использование материала в различных ситуациях, сферах, формах (тестирование, таблицы, планы, рефераты, сценарий, плакаты, иллюстрации и т.д.)

Task 3	Fill in the table. Use the information	from Jim's letter and add your own.
Beginning of school (age)	The second second	
How long do pupils study at school?		Pupils study for 11 years at school.
Fee	General secondary school is free of charge, private school is fee-paying.	
Subjects in grade 5		English, Maths, History, Science, PE., Foreign Language, IT
Compulsory subjects	All subjects are compulsory.	
Uniform		Pupils at many secondary schools in Britain wear a school uniform. This usually means a white blouse for girls (perhaps with a tie), with a dark-coloured skirt and a pullover. Boys wear a shirt and a tie, dark trousers and a dark-coloured pullover.
Timetable		The day starts at nine o'clock and finishes between three and four. The lunch break usually lasts for an hour.
Holidays		The school year is divided into terms, three months each, named after seasons: autumn term and spring term. In July schools break up for eight weeks.

Write YES between nu	imbers th	ree and fe	our if twelve	plus five	
is seventeen: 1 2,	3 4, 5	6. P	aint the ball	after the	
word "school" blue: tea	acher 🔘	pupil (school O su	ıbject 🔘.	
Underline the shortest	word and	d cross ou	it the longes	t: Maths,	1
Science, Technology, F	History. I	f your sch	nool year beg	ins in	1
October, write NO between	een the fir	rst autum	n month and	the last	
winter month; if your	school ye	ear begins	in Septembe	er, write	1
YES between the last s	summer n	nonth and	the first au	tumn	1 1 1
month: August Sep	ptember_	Februa	ary. Cross on	aly	
summer holiday month	ns: Septer	nber, Nov	ember, Janu	ary,	1
July, October, Februar	ry, Augus	st, Decem	ber, June. D	raw a	1
smile in the first ball	if British	pupils ha	ave holidays	in June;	1
draw a smile in the las	st ball if	they have	holidays in	July and	1
August: $\bigcirc \bigcirc$.					1
Task 5 Jim put his time and draw your					1
		iotabio (pa	ormounite me	TBI).	
Jim's school time			WEDNESDAY		FRIDAY
	table	TUESDAY		THURSDAY	FRIDAY
Jim's school time	table	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
Jim's school time	table	TUESDAY	WEDNESDAY REGISTRATION	THURSDAY	FRIDAY
9.00a.m9.15a.m. 9.15a.m10.05a.m.	table	TUESDAY	WEDNESDAY REGISTRATION LESSON 1	THURSDAY	FRIDAY
9.00a.m9.15a.m. 9.15a.m10.05a.m. 10.10a.m10.55a.m.	table	TUESDAY	WEDNESDAY REGISTRATION LESSON 1 LESSON 2	THURSDAY	FRIDAY
9.00a.m9.15a.m. 9.15a.m10.05a.m. 10.10a.m10.55a.m.	table	TUESDAY	WEDNESDAY REGISTRATION LESSON 1 LESSON 2 BREAK	THURSDAY	FRIDAY
Jim's school time 9.00a.m9.15a.m. 9.15a.m10.05a.m. 10.10a.m10.55a.m. 10.55a.m11.10a.m. 11.10a.m11.55a.m.	table	TUESDAY	WEDNESDAY REGISTRATION LESSON 1 LESSON 2 BREAK LESSON 3	THURSDAY	FRIDAY
Jim's school time 9.00a.m9.15a.m. 9.15a.m10.05a.m. 10.10a.m10.55a.m. 10.55a.m11.10a.m. 11.10a.m11.55a.m. 12.00p.m12.45p.m.	table	TUESDAY	WEDNESDAY REGISTRATION LESSON 1 LESSON 2 BREAK LESSON 3 LESSON 4	THURSDAY	FRIDAY

Read the unusual story and do the tasks one by one.

ПОСЛЕТЕКСТОВЫЕ СТРАТЕГИИ:

корректировка читательской интерпретации авторского замысла; применение и использование материала в различных ситуациях, сферах, формах (тестирование, таблицы, планы, рефераты, сценарий, плакаты, иллюстрации и т.д.)

Task 3	Fill in the table. Use the information from Jim's letter and add your own. Task 4 Read the unusual story and do the tasks one by one.
	Task 4 Read the unusual story and do the tasks one by one.
-	Write YES between numbers three and four if twelve plus five
Beginning of school (age)	is seventeen: 1 2, 3 4, 5 6. Paint the ball after the
How long do pupils study	word "school" blue: teacher O pupil O school O subject O.
at school?	Underline the shortest word and cross out the longest: Maths,
1 66	Science, Technology, History. If your school year begins in
Subjects in grade 5	October, write NO between the first autumn month and the last
Compulsory	winter month; if your school year begins in September, write
subjects Uniform	YES between the last summer month and the first autumn
	month: August September February. Cross only
	summer holiday months: September, November, January,
	July, October, February, August, December, June. Draw a
Timetable	smile in the first ball if British pupils have holidays in June;
	draw a smile in the last ball if they have holidays in July and
Holidays	August: O O.

ПЕРЕПУТАННЫЕ ЛОГИЧЕСКИЕ ЦЕПОЧКИ ВЕРНЫЕ И НЕВЕРНЫЕ УТВЕРЖДЕНИЯ

РАБОТА С ТЕКСТОМ

РАССКАЗ - ПРЕДПОЛОЖЕНИЕ ПО КЛЮЧЕВЫМ СЛОВАМ

СИСТЕМАТИЗАЦИЯ МАТЕРИАЛА (ГРАФИЧЕСКАЯ): КЛАСТЕРЫ, ТАБЛИЦЫ

KWL-method

(Know, Want-to-know, Learned)

KNOW

Before reading, assess and record what you know

WANT-TO-**KNOW** Set a purpose for your reading. What do you want to learn from the text?

LEARNED After reading, reflect, note and review what you learned from your reading

KWL-method

(Know, Want-to-know, Learned)

KNOW
Before
reading,
assess and
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WANT-TO-**KNOW** Set a purpose for your reading. What do you want to learn from the text?

LEARNED After reading, reflect, note and review what you learned from your reading



5Ws-method

Who is it about? Who Where did it take When did it take place? place? Where When Why What What happened? Why did it happen?

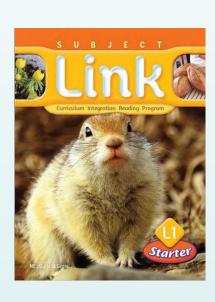
COMMUNICATION:

learners have to produce subject language in both oral and written form.

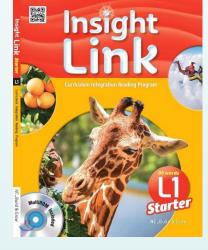


COGNITION:

CLIL promote cognitive or thinking skills which challenge learners.







CONTENT:

it refers to the subject aims.

CULTURE:

understanding ourselves and other cultures makes the process of communication with foreign people more effective.





CHAPTER 4

Star



Subject	Lesson	Title
Science	13	Different Kinds of Stars
Art	14	Van Gogh and Stars
History	15	Pentagram
Literature	16	Constellation Legends: Capricorn

Chapter Wrap-up

CHAPTER 3

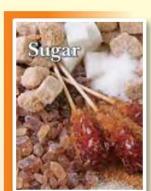
Photography



Subject	Lesson	Title
Science	9	Camera Obscura
Science	10	Red-eye Effect
Art	11	Ansel Adams' Photography
History	12	Photo Manipulation

Chapter Wrap-up

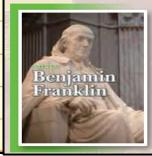
Sugar



Subject	Lesson	Title
History	1	The History of Sugar
Science	2	Candy Making
Social Studies	3	Sugar Addiction
Science	4	Why Cats Can't Taste Sweetness

Chapter Wrap-up

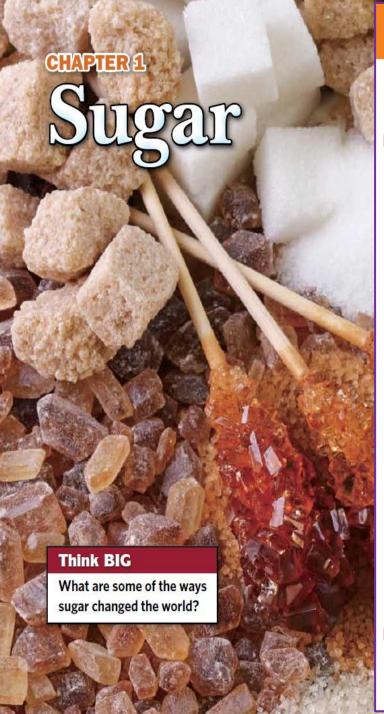
Benjamin Franklin



Subject	Lesson	Title
Social Studies	5	Benjamin Franklin's Life
History	6	The Declaration of Independence
Science	7	The Lightning Rod
Social Studies	8	Franklin's Virtues

Chapter Wrap-up







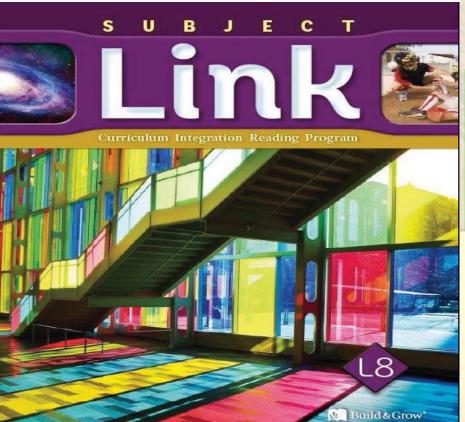
Check How Much Sugar You Have Each Day

🔼 Look and check what you drank yesterday. Then calculate how much sugar you had.

Drink		Teaspoons of sugar	What I dran	k yesterday
A bottle of water		0 teaspoons		
A 200 ml bottle of fruit juice		5 teaspoons		
A 375 ml can of soft drink		8 teaspoons		
A 600 ml bottle of sports drink		8 teaspoons		
A 500 ml can of energy drink		9 teaspoons		
A 250 ml box of chocolate milk		6 teaspoons		
A 65 ml bottle of Yakult	9	2 teaspoons		Total

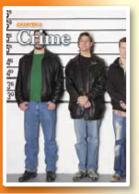
*1 tsp of sugar = 5 grams of sugar

- Answer the following questions. Then share your answers with your classmates.
 - 1. What kinds of drinks did you drink the most?
 - 2. How much sugar dld you have?
 - 3. How can you reduce the amount of sugar you have each day?



CHAPTER 1

Crime



Subject	Lesson	Title
History	1	The History of Law
Social Studies	2	A Criminal Profiler
Science	3	Fingerprints in Criminal Investigations
Art	4	Art Theft
Chapter Wrap-up		

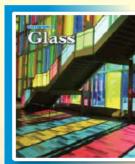
Drinks



Subject	Lesson	Title	
Science	5	The Effects of Green Tea	
Social Studies	6	Tea Cultures Around the World	
Music	7	Coffee Cantata	
Science & Social Studies	8	Inconvenient Truths About Beverages	

HAPTER 3

Glass

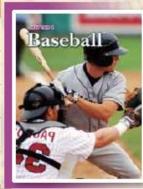


Subject	Lesson	Title
History	9	Ancient Glass
History	10	Glasses in the Past, Present, and Future
Science	11	The Evolution of the Contact Lens
Music & Science	12	Glass Harmonica

Chapter Wrap-up

CHAPTER 4

Baseball



Subject	Lesson	Title
Social Studies	13	Integration in American Baseball
Sports	14	Cricket vs. Baseball
History	15	The Baseball Cap
Science	16	The Science of a Home Run





Drinks Project Worksheet

Make a Beverage Profile

Look and read the nutrition facts of orange juice.



I like drinking orange juice.
I drink orange juice every day.
I am curious about the nutrition facts.
Let's look at them together!



*Potassium = Kalium *Folate = Folic Acid

juice.

Nutrition Facts

Serving Size 240 mL

Amount	% Dally Value	
Calorles 110		
Fat 0 g	0%	
Potassium 470 mg	13%	
Total Carbohydrate 27 g	9%	
Sugars 23 g		
Protein 2 g		
Vitamin C	120%	
Calcium	2%	
Folate	25%	
Not a significant source of oth	ner nutrients.	
INGREDIENT: 100% pure squeezed orange		

В	What	did v	ou di	rink	yesterday?	Write	its	nutrition	facts	below
_		,	~		,					~~.~

yesterday.

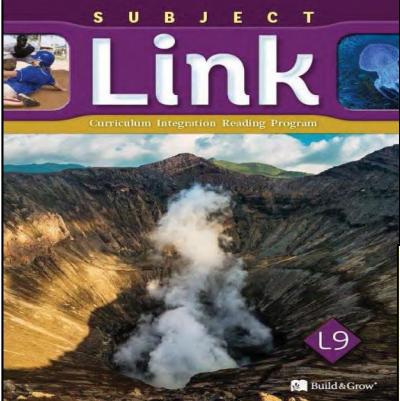
I drank

Nutrition Facts	
Serving Size mL Amount	% Daily Value

Word Box

Fat, Carbohydrate, Sugar, Cholesterol, Potassium (Kalium), Folate (Folic Acid), Fiber, Protein, Vitamin A, Vitamin C, Sodium (Natrium), Taurine, Iron, Calcium

- C Answer the following questions. Then share your answers with your classmates.
 - 1. What did you drink yesterday? How often do you drink that beverage?
 - 2. Which nutrient does your beverage contain the most of? Which one does it contain the least of?
 - 3. Which ingredients are good for your health?



CHAPTER 4

Language



Subject	Lesson	Title	
Social Studies	13	The Evolution of Language	
History	14	Cracking the Copiale Cipher	
Social Studies	15	Speak Differently, Think Differently	
Sports	16	Baseball Hand Signals	
			-

Chapter Wrap-up

CHAPTER 3

Fear



Subject	Lesson	Title
Social Studies	9	Frightening Phobias
Science	10	The Science Behind Goosebumps
Art	11	Danse Macabre
Science & Social Studies	12	Sinkholes

Chapter Wrap-up

CHAPTER 1

Volcano



Subject	Lesson	Title		
Science	1	Effects of Volcanoes		
Science	2	Volcanic Rocks		
Social Studies	3	The Giant's Causeway		
Literature	4	The Story of Pele		
Chapter Wrap-up				

CHAPTER 2 Light



Subject	Lesson	Title
Science	5	Bouncing and Bending Light
Art	6	Georges-Pierre Seurat
Science	7	Bioluminescence
Social Studies	8	Diwali

Volcano



Think BIG

Do you think volcanoes are dangerous?



Volcano Project Worksheet

Make Your Own Volcano

Use baking soda and vinegar to create a volcano.

What you'll need:















- Baking Soda
- Vinegar
- Container
- Plate
- Red powder

What to do:

- 1. Put a plate underneath a container.
- 2. Place some of the baking soda into the container.
- 3. Add 4 spoons of powder, 2 spoons of baking soda, and some powder to the container
- 4. Add some vinegar into the container.
- Watch what your volcano come alive.

B	Write	a	sclence	project	report.

Science Project Report

- Date:
- Subject:
- · Result:
 - What you learned:

Based on your report, answer the following questions. Then share your answers with your classmates.

- What result did you get?
- 2. What was the most difficult part of the experiment?
- 3. What did you learn from the experiment? (Explain the science behind it.)

Tips

The baking soda and the vinegar create a chemical reaction. When the two chemicals work together, they form a gas - carbon dioxide. As the gas is produced, pressure builds up inside the container. Then, the gas bubbles out. It looks like a volcano erupting!

Complete the task At school three kids — Lera, Max and Petya were given a task to make a presentation on health problems widespread among teens. They decided to interview their classmates for this reason, and that was what they said:

Read what their classmates said and match the problems and their causes, according to the text.

Health problems interview

"I have most terrible headaches! I think it's because I watch too much TV late in the evening, so I sleep badly the night after and wake up with a headache."

"My biggest problem is my back pain. It really spoils my life, I cannot do a lot of things and I always think about the pain. Probably, I have it because I'm not really physically active and I sit for the most part of the day: at school and then at home doing my homework, watching TV and playing computer games."

"The thing that bothers me the most is eye strain. My mom says it's all because I stay on my phone a lot, but I think it's because I read too much. I think I should go to the doctor soon, or my eyesight will fail."

"My parents always tell me that if I play my music too loudly I will eventually suffer a hearing loss. I don't really believe them, it sounds ridiculous! They say that probably that's the reason why I never hear their advice, but, honestly, a lot of the time I just don't pay enough attention."

"My biggest problem is, for sure, aone — it's all over my face. I feel so bad about myself because of it and I really wish it would pass. My doctor said that's normal for teenagers to have them, but she also gave me some advice on how to fight the problem in the meanwhile. She said diet improvement can help, as well as a better skincare routine. I think I agree with her."

hearing loss listening to the music which is too loud

eye strain watching too much TV in the evening

back pain bad diet and skincare

headaches staying on the phone too much

acne sedentary lifestyle

Read what their classmates said and match the problems and their causes, according to the text.

"My biggest problem is, for sure, aone — it's all over my face. I feel so bad about myself because of it and I really wish it would pass. My doctor said that's normal for teenagers to have them, but she also gave me some advice on how to fight the problem in the meanwhile. She said diet improvement can help, as well as a better skincare routine. I think I agree with her."

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CLIL Geography 10
Planet Earth
Read the text THE
SPEED OF LIGHT,
look at the table and
do the maths

When completing the task, you will need this table:

Distances between some space objects in kilometers

	Sun
Earth	pprox 150 million
Mars	pprox 228 million
Jupiter	pprox 779 million
Neptune	pprox 4.5 billion

Light travels in a vacuum $\approx 299,792$ km per second (to ease the recording, this distance is rounded up to 300,000 km per second). During this time, light can circle the Earth along the equator as much as 7.5 times! This distance seems incredibly large for humans, but for the cosmos it is, of course, very small. What distance will light cover in a minute of its travel through the vacuum? To do this, multiply 300,000 km by 60 seconds and the answer will be 18,000,000 km. Similarly, astrophysicists introduced the concept of a "light year", determining how much distance light travels in a vacuum in 12 months.

Calculate how long it will take for the light produced by one of the luminous

 $4 \text{ hours } 10 \text{ minutes} \qquad 8 \text{ minutes } 20 \text{ seconds} \qquad 4 \text{ minutes } 20 \text{ seconds}$ $35 \text{ minutes} \qquad 4 \text{ hours } 40 \text{ minutes} \qquad 4 \text{ minutes } 40 \text{ seconds} \qquad 40 \text{ minutes}$ 7 minutes 50 seconds

- 1 The light emitted by the Sun reaches the Earth in about
- 2 The light emitted by your desk lamp in the evening when turned on will reach

 Mars (if both planets are on the same side of the Sun) in

 .
- 3 The light emitted by the Sun will take to reach the last planet in the solar system Neptune.
- 4 The largest atmospheric vortex in the solar system is the Great Red Spot on Jupiter, which can be seen with a telescope, but the light transmitting the image will reach the Earth in almost