Lesson Plan Easy Access English

Based On Our Findings



EAE Learning objectives for this lesson

Learn and practice scientific-based phrasal verbs to use at work, in discussions, and in presentations.

Activity 1: Q & A

1. What type of research or experiments do you do in your job, and what is your specialty?
2. Do you like to keep up-to-date with recent breakthroughs in the field of medicine?
3. Has your company seen any recent breakthroughs in medicine?
4. Do you think in the future all diseases will eventually be curable? If yes, how soon?



Activity 2: Presentation

Discuss with your partner about a recent experiment or particular research that you have done.

Together you will present your recent findings to the class.

Here are some **EXPRESSIONS** and **LINKING WORDS** to help you structure your presentation

Firstly	**So**	**Finally**	**Nevertheless**	**Likewise**
Then	**However**	**To conclude**	**Though**	**Whereas**
Afterwards	**As a result**	**Next**	**Although**	**Despite**



Activity 3: Read the text and answer the questions

5 Recent Scientific Break-throughs/Discoveries

1. There's an encouraging treatment set to begin trials: ultrasound therapy on amyloid plaques, which clump around neurons and are believed to contribute to Alzheimer's. Researchers found the sound waves generated by ultrasounds cleared amyloid plaques in mice, 75 percent of which performed better on memory tests afterwards – there was also no tissue damage.
2. We've figured out how to replace darn near every part of the human body, but until recently, blood was a pipe dream. Not so anymore. The NHS will conduct early trials, in which a small group of people are given small amounts of synthetic blood made from stem cells.
3. On the original *Star Trek,* Dr McCoy had a sensory device called a 'tricorder' to record and relay medical information. Soon, thanks to Qualcomm, that gadget could become a health care reality – portable tools able to diagnose health conditions and take real-time vital signs like blood pressure.

4. Chinese scientists devised a gene-editing tool that could eliminate certain disease-causing mutations in the DNA of human embryos and also prevent babies from inheriting genetic diseases.
5. Biomedical scientists have created a device that sprays stem cells onto wounds, helping them grow a new, healthy layer of skin in 3-4 days. While it still needs FDA approval, it sounds like a game changer that could help eliminate the painful, scarring process of skin grafting.

QUESTIONS

A. Which of these 'breakthroughs' do you think is the most promising, or most realistic?

B. Do any of these breakthroughs raise ethical concerns?

C. Was there any vocabulary you didn't understand?



Activity 4: Team Race! In teams – match each phrasal verb with the correct definition!

The losing team has to make a 30 second spontaneous presentation about a famous scientist!

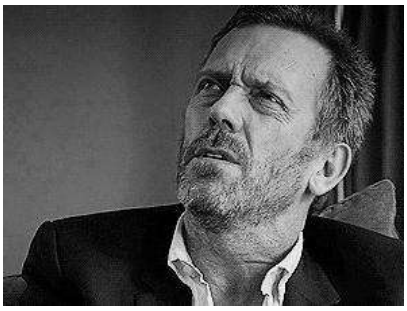
Phrasal Verb	Definition
Carry out	To meet or find by chance
Point out	To make it seem likely/to show proof that something is true
Account for	To use particular ideas or facts to make a decision
Come about	To do something, perform an action, conduct research etc.
Focus on	To eliminate
Point towards	To direct someone's attention to something
Based on	To include something when you are doing a calculation
Factor in	To give a lot of attention to (something)
Result in	To continue/repeat something that has already been started or done
Come across	To provide or serve as an explanation for something, consitute
Follow up	To happen/occur, to take place
Get rid of	To cause a particular situation to happen

Activity 5: TEAM GAME – Each team will take turns to give the other team a phrasal verb from *Activity 4.* They must make a sentence with the phrasal verb in 10 seconds or less!

Then in teams, try to think of some more phrasal verbs that you might have 'come across'

Activity 6: **Intransitive and Transitive / Separable and Inseparable**

Check out this site for more info - **https://en.oxforddictionaries.com/grammar/phrasal-verbs**



a. INTRANSITIVE – these phrasal verbs have **NO DIRECT OBJECT**

Example: I woke up at 9am. I was late for work!

b. TRANSITIVE – these phrasal verbs have **A DIRECT OBJECT**

Example: You need to fill out **this form**.

c. SEPARABLE – you can separate the two words

Example: Please turn off the TV – correct. Please turn the TV off – correct.

d. INSEPARABLE – you can **NOT** separate the two words

Example: I'll look after your dog – correct. ~~I'll look your dog after~~ – INCORRECT.

IN PARTNERS: For each phrasal verb in *Activity 4* – decide if it is...
A. intransitive **OR** transitive & B. separable **OR** inseparable

Activity 7: **Read the sentences and fill in the gaps with the phrasal verbs from *Activity 4***

Remember you might have to change the phrasal verbs into the PAST TENSE

a. All of his symptoms _____ early signs of Alzheimer's. The evidence was quite conclusive, so I said that we would _____ in a few weeks to check his condition.

b. We must _____stopping the infection before it spreads, and turns everyone into a zombie!

c. Non-communicable – or chronic – diseases _____ 70% of deaths globally.

d. Her nose is bleeding but she said he had no idea how it _____. It was very random.

e. Fortunately, the novel Frankenstein was not _____ a true story.

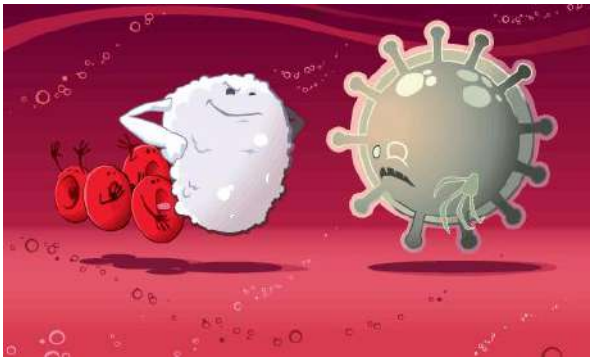
f. I've tried everything, but I just can't seem to _____ this cough!

g. This is one of the most peculiar cases I've ever _____.

h. I'd like to _____ that thanks to the competent skill of our team of surgeons, it _____ us saving the boy's life.

i. We _____ the operation with no hiccoughs. It went very smoothly.

j. If you _____ the amount of hours and energy that doctors and those working in the medical profession put in, they really do go underappreciated sometimes.



Activity 8: **Role-plays!**

In partners – make a dialogue for your given scene.

You will act it out in front of the other students!

Use some phrasal verbs from the previous activities.

Scenarios

A) You have a promising new drug which combats arthritis. You want to begin human trials, but the FDA needs convincing. You go to a retirement home to see if anyone wants to volunteer.

B) You and your colleague accidentally cured cancer when you were drunk. But you can't remember what you did. You discuss what you possibly could have done, to try and re-create this achievement.

C) You have seen too many movies, and you want to try and genetically enhance humans. However you get into an ethical confrontation with your mother who thinks you shouldn't play God.

Activity 9: **Prognosis**

a) For each disease explain what part of the body it affects

b) Discuss the early symptoms or causes which point/lead to this disease and the best way to treat it. You will present your answers to the class

Diseases

Alzheimer's

Arthritis

Asthma

Bird flu

Black death (the plague)

Cirrhosis

Coronary artery disease

Diabetes

HIV

Pneumonia

Stroke

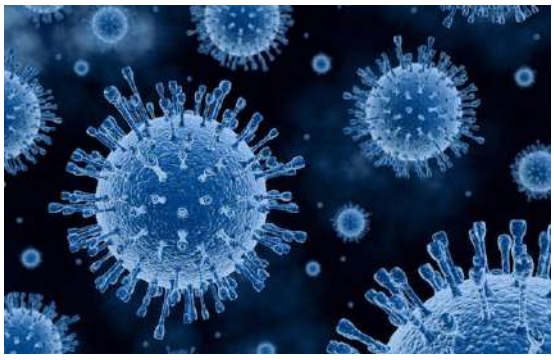
Tuberculosis

Further Questions

1. There are categories of diseases, such as genetic diseases, or chronic diseases.

Can you think of other categories, and also categorises the diseases on the left into their respective specific disease class.

2. What do these diseases look like under a microscope?



Activity 10: Song Time! Listen and fill in the gaps - (Macklemore – Drug Dealer)

They said it wasn't a _____ drug
My homie was takin' subs and he ain't wake up
The whole while, these _____, stay caked up
Paying out congress so we take their drugs
Murderers who will never face the judge
And we dancin' to a song about our face goin' _____
But I seen homies turn grey, noses draining blood
I could've been gone, out 30s, faded in that tub
That's Prince, Michael and Whitney, that's Amy,
Ledger and Pimp C - That's Yams, that's DJ A.M
God damn they're making a _____
Now it's getting attention cause Sara, Katey and Billy
But this shit's been going on from Seattle out to South Philly
It just moved about the city
And it spread out to the _____
Now it's everybody's problem, got a nation on the verge
Take _____ off the market, jack the price up on the syrup
But Purdue Pharma's 'bout to move that work

First Chorus

My drug dealer was a doctor, doctor
Had the _____ from Big Pharma, Pharma
He said that he would _____, _____
But he only gave me problems, problems
My drug dealer was a doctor, doctor
Had the _____ from Big Pharma, Pharma
I think he trying to kill me, kill me
He tried to kill me for a _____, _____

And these _____ they keep on talkin' to me
They screamin' "open the bottle," I wanna be at peace
My hand is gripping that _____, I'm running out of speed
Tryin' close my eyes but I just keep on sweatin' through these sheets, through these sheets
Four horseman, they won't let me forget
I wanna forge a _____, cause doctor I need some more of it
When morphine and heroin is more of your budget
I said I'd never use a _____, but sure, f*** it
I'm caught up, I'm on one, I'm nauseous
No options, exhausted
This is not what I started
Walkin' carcass, I lost everything I wanted
My _____ drawn, too gone to leave this apartment

Second Chorus

More, more, more
Re-up, re-up
Death certificate signed the prenup
Ain't no coming back from this _____
Actavis, _____, Adderall, Xanax binge
Best friends with the thing that's killing me
Enemies with my best friend, there's no healing me
Refilling these, refilling these
They say it's death, death
Institutions and DOCs
So God grant me the _____ to accept the things I cannot change
_____ to change the things I can
And the wisdom to know the difference
And the wisdom to know the difference

Question

What is this song about?



Bonus activity: Are there a lot of ethical issues raised in your line of work?

For example – animal testing...is it wrong or is it necessary.

Think of some other controversial issues and we will open the floor to debate!