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?
2. What is your current focus at the moment?
3. What interests you the most about your job?
4. What is the most difficult part of your job?
5. What does your company need to have more success in research/experiments?



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**
Then	**However**	**To conclude**
Therefore	**As a result**	**Next**

Activity 3: Phrasal Verbs – An Introduction

What is a phrasal verb exactly?

A phrasal verb is a phrase that typically consists of a verb with a preposition – to give a more specific meaning. Let's take the verb 'follow' as an example.

Example: My cat **follows** me everywhere.

Now if we add the preposition 'up' – 'follow up' – we make an entirely different meaning.

Example: The surgeon scheduled a **follow-up** with his patient a week after the surgery

Follow-up means 'a continuation or repetition of something that has already been started or done'



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
Focus on	To use particular ideas or facts to make a decision
Point towards	To do something, perform an action, conduct research etc.
Based on	To eliminate
Result in	To direct someone's attention to something
Come across	To give a lot of attention to (something)
Follow up	To continue/repeat something that has already been started or done
Get rid of	To cause a particular situation to happen

Activity 5: 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 6: 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!

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!

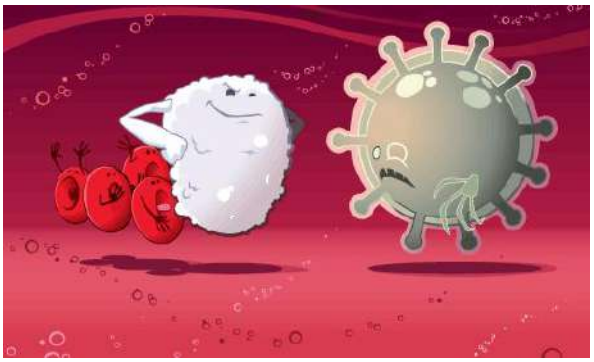
c. Fortunately, the novel Frankenstein was not _____ a true story.

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

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

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

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



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: **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 10: Song Time! Listen and fill in the gaps - (Coldplay – The Scientist)

Come up to meet you, tell you I'm _____
You don't know how lovely you are
I had to find you
Tell you I need you
Tell you I _____

Tell me your secrets
And _____ me your questions
Oh, let's go back to the start
Running in _____
Coming up tails
Heads on a science apart

Nobody said it was easy
It's such a _____ for us to part
Nobody said it was easy
No one ever said it would be this hard

Oh, take me back to the start

I was just guessing
At numbers and figures
Pulling the puzzles _____
Questions of science
Science and progress
Do not speak as _____ as my heart

Tell me you love me
Come back and haunt me
Oh, and I _____ to the start
Running in circles
Chasing our tails
Coming _____ as we are

Chorus

I'm going back to the start

Question

Can you identify the 2 different phrasal verbs in the song?

