

English for Science

Project introduction

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Background



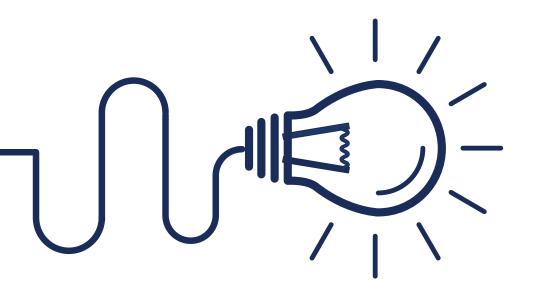
1.English language is currently the most important language in the world and English is used as the international language of science.

2.The requirement of English is absolute when taking the IGCSE courses. Science subject competency alone is not enough. Learners must be able to master and communicate their scientific capability through reading, listening, writing, and speaking in English.

3. Currently, there is a considerable portion of grade 9 Shanghai Hongwen high school science learners with limited proficiency in English.

Purpose





- To help Chinese learners that are weak in English, reduce their obstacles when they are learning science in IGCSE courses.
- To develop EFS teaching tools that consists of three vocabulary booklets (Biology Chemistry and Physics) and one EFS exercise booklet:

Preparations



16:20-17:20

1.Project schedule

Monday:

3.EFS words selection

- 1)Each week.
- 2)Subject teachers.
- 3) General science.

2.Student selection

- 1)At the start of the semester.
- 2) Subject teachers.

4. Teaching materials

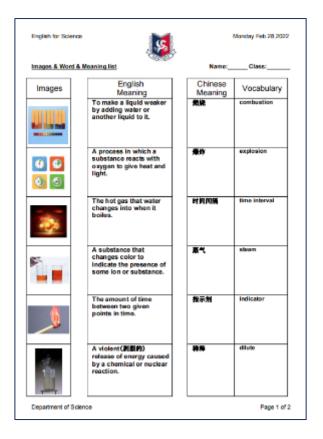
- 1) Image materials.
- 2) Worksheets

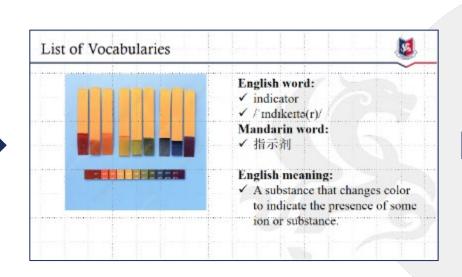


A new lesson

- 1.Match mandarin vocabulary with the EFS vocabulary and the English definition.
- 2.Match the EFS vocabulary with an image or picture that describe the meaning of the vocabulary.
- 3. Make use of the vocabulary in a sentence.







Step 2



Step 1

Step 3



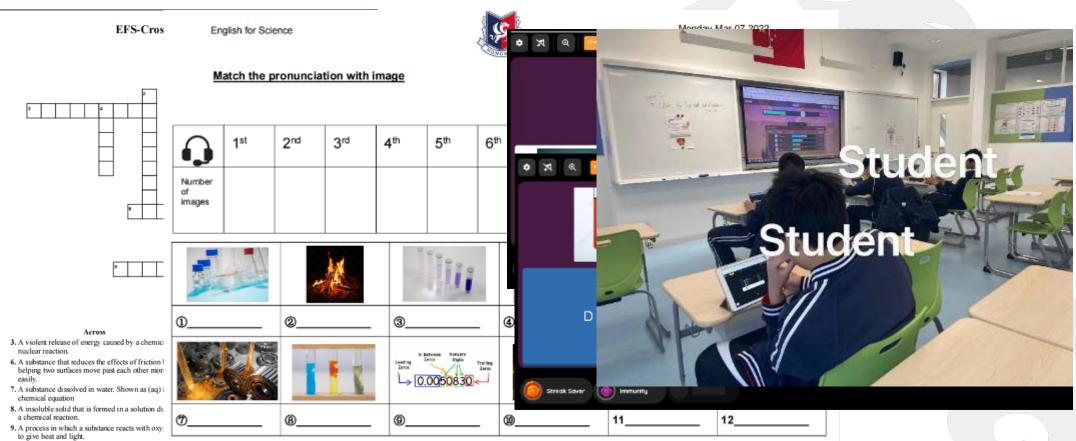
A review lesson(After every two new lessons)

- 1.Cross-word puzzle.
- 2.Find-the-word puzzle.
- 3. Match the pronunciation with pictures.
- 4.Online quiz game.



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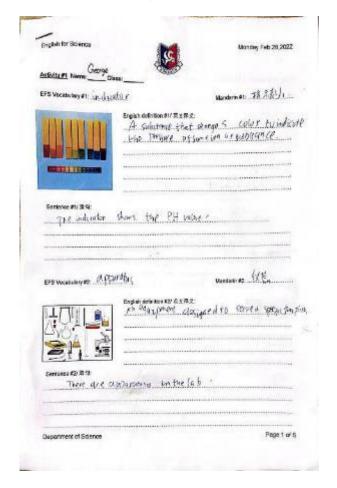




Outcomes



Students' progress





Outcomes



EFS vocabulary booklet

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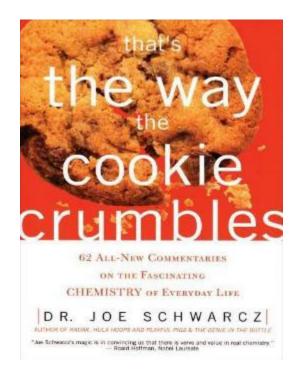


report report

Future work



1.Transition to comprehension passage.



Microwaved Socks, and Other Tales from the Airwayes

Hack forward is one Findly interrupts. That's when I spend an hour and a half conversing with the public on CIAD Radio is Mentreal. The idea belond the show is for me to provide reliable externite information, asswaring quadron, choice control concerns, and attempt to their up some of the respective that permane deally the flat the show is an obstance for me, as well. For over permy years, it has allowed me to matrice the public of the population and pains alloying into its payer. Flave been pleased by either who have in real-timesed sometimes who have in real-timesed sometimes, when I have been permitted by the occasional denomination of scientific alloways. I have also center to senter that people are bordered with measures faces, both extended and inclaimal. And I have harmed not to be supposed. Stockede maybe,—but never supposed.

"How do you went interceaves out of social" one callet queried I didn't quick herry what is make of the Quickly, thereigh, we exhibited that he was not wormed about he one produces a same wary microscores, but he had beaut about a device being restricted to solder the noise of out plane on. First of all, we need to undestand that there is very line scennific evidence to suggest that call planes are designate, when then to those who are them while deriving. But the has not suppose the inventories makes they are come up with a sucklab device that our places ever the plane to about the "harrifal microscopes." The presentations that core along with this gean upparently instruct the user to hunder the sock regularly to "result out the calledina" for the results.

Microwaves are in form of energy, and they can indeed be absorbed by materials. After all, that's how microwave overn work. Ministric absorbs the savine, energoing the water indeeded. They move around more capitally, and it is this tration to be about the savine and the savine cannot be short in a subspace for later release. It is earn, thereby, that this contention is not restricted to scan actions who want to protect us from cell phoras. A listener once called to usik how long one should allow microwavel food to start the form of the protect of the microwavel food to start the content of the protect of the microwavel food to start the content of the protect of the microwavel food to start the content of the protect of the protect

other cooking to "allow the miscontenses to estime." Disviously, this presenlist been reading her miscontains considered, which would have advant her to allow inscriousned food to stand briefly before serving it. This is comman practice, necessary to complete the creating process. Commely to what many this, miscontains do not present to food deeply. The extent of the food in question is easily herited, but the inside cooks through best transfer by somitation. That is only the food time stand for a few minutes. It has institute to do with allowing segment miscontains to be seen.

Microwaves are not the only from of nathration cassing under concern. A terribly against caller was women because after being scrayed she was asked to take the filters to her physician beself. She had beaut at operant to r-cope being dangermax and throught that by carrying the filters she was "exposuring" heiself.



Since the infamon date of 9/H, in number of people have raked about wearing clother than have gone through view, scanners at angrem. They are concerned that these terms may become mediancine and poor a take to their health. Excessive expresses to x-rays can existainly be risky, but x-rayed agents do not store and mental reduction. Differencedly, just a mention of the word medium to offer meaning the taken people.

A gentlement wanted on brown what the unifort way was to dispose of a board or compact-disc player I didn't realize what he was getting or until the saked whather a baser was a from of reduction, which of course it is Radianton is nothing more than the propagation of energy though passe. Turn one highly and you are exposed to realistion. The caffer level that CD players use a base, and since lovers professe industry, there that in he some task. The heart beam in a CD player is just a special type of light beam that makes no decorate at all 1 mt is only entitled when the decise is on So all the conference of the confe

CD players on he safely discusded. But old luminoted pictures may be a different stary.

I had to address this asset when a caller taked if it was safe to burn a laminated picture in her foreplace. It have don't had also had been accurily divorced and warried an enterprise or for Somes' spone. Burning his picture sected appropriate, but six had been direct harmonised photos were mounted on particleboned placed bugshers with unan-formatizity to cash. She was women that the heart would release formatively of, which she had heard was trace. Indeed, formatidely de is a problemate substance, but the amount released in this particular combinator process would be see little to exist consecut Sikil, it suggested that if she was still women, she could have on the particular combination process would be see little to exist occasion. Sikil, it suggested that if she was still women, she could have on the particular with the next households when the place in particular description of the former make.

Then there was the factors who wanted to know if lighting a match was a good way to get rid of the world of nettord gas in a fourt. That question prompted me we hanced that a lecture on a common manufactors anding about gas. A sort, is you method, and orchance besides seen. That's why difference compounds are midded to midde was the gas leads are enabled described. I explained that soot form a berning match could about a small product of foreith compounds, but, I added one conceils a surgicial, it was not a good idea to go around stoking matches in a bound that could be filled with methods. It was shown that the could be suffered as the foreign was shown in a bound that could be filled with methods. It was shown that the could be filled with methods to go around stoking matches in a bound that could be filled with methods. It was shown that the could be filled with methods to go around which go matches in a bound of the best of the filled with methods to go around a filled with the filled wi

2. Record and study students' academic performance.

Acknowledgements



Dr. Elizabeth Hidson

Mr. Graham Turner

Principle Jie Zhang

Ayoub Lena Mashhoor

Joleen Lim Xin Hua

Robert James Morrison

Ampah Felix Jude

Oviedo Carlos Melchor

Calvin Gerade Dorfing

- University of Sunderland
- University of Sunderland
- Shanghai Hongwen School

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Student-Centered, Integration of East and West, Elite Education

Thank you!

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