How to make the entrepreneurship in the technology area through a vegetable garden?
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1- Introduction

At this moment, there is a practical project in which the students can practice all the biological science knowledge taking care of the plants. Since the land is prepared until the seed germination. I intend with it, the school has a vegetable garden which brings excellent fruits and vegetables and this project can be directed to the food served at school, during the breaks and it can develop the students' coletivity sense. Besides this, it will be recorded some videos and taken some pictures using student testimonies about what they learnt in terms of plantation, technology and English at the same time taking into consideration the exams as ENEM, because this background knowledge can be clear in their minds guided to the practical and theoretical question resolutions that can be reached. This way, students learn how to use the soil, learn English vocabulary, and learn how the seeds have become plants and have grown.

2- Aim

Develop the digital device knowledge associating with the device tools area, biological science and English language in a way that we may set up a vegetable garden project, showing to the students and the community in general knowledge on fruits and vegetable plantation, using some video classes at “youtube.com” relating with the English language vocabulary through some signs in front of the plants.

3- Abstract

It is approximately nine hundred and eighty words in length. The abstract should be written in 12 font size times new roman font with single-line spacing. It is made up of five parts: aim, methodology, Results and discussions, Scientific contribution and references.

This project is a clearly structured summary of the Gira Mundo project with Governo da Paraíba and Tamk university partnership. It has had the aim to show how the students have worked properly with a vegetable garden and have posted youtube videos in the social media to show their work.

This way students could associate theory studied in the books with a practical experiment of natural science which they could work together with other students and with the teacher who organized them in groups and divided them in tasks like bring a hoe, seeds, fertilizers which were important to develop the project.

4- Methodology

The vegetable garden has been worked with the trade technical school with whom, we use the necessary materials to the preparation as for example: some hoes, different kinds of seeds and fertilizers, because the school project involved the act of planting in group passing by different steps, organize the seeds in common groups and consequently promoted the interpersonal relationship, interdisciplinarity inside the school.
This way, land was divided in lines which students dugged and prepared the land using the hoe, water, instrument to plain the land with the teachers collaboration, the organic products collocation (they used peels and rests of fruits and vegetables to make a composting using manure to increase the land capacity). Seeds were selected by a company which works with this kind of service. After planting we watered the seeds daily and carefully and we had excellent results as it is shown in the pictures at the last pages.

In the next step, learners did some signs using sticks made with wood, polystyrene and there were video classes creation which students explained the vegetable and fruit cultivation importance using the english language speaking.

A horta inserida no ambiente escolar pode ser um laboratório vivo que possibilita desenvolvimento de diversas atividades pedagógicas em educação ambiental e alimentar unindo teoria e prática de forma contextualizada, auxiliando no processo de ensino-aprendizagem e estreitando relações através da promoção do trabalho coletivo e cooperado entre os agentes sociais envolvidos, (MORGANO, 2006)

5-Results and discussions

In this project we might observe the students relationship and integration to plant the vegetable garden components was a success because the learners could develop their work in an amazing way, when they brought the necessary material, cleaning the intended area, because we needed to border the intended place, planted the seeds in an integrated and organized way, guiding a full watering can to the plants twice a day.

The English language use was important because learners practiced the correct way to pronounce the words and learnt how to write through the sign producing near each land stripe.

To the success of this project we had the collaboration of some school employees (Cleaning section) and teachers as chemistry and biology.

My students needed an activity that involved, attracted them and change them to an useful way to study in the school environment then, it is necessary “to use their hands” because this way they know different kinds of job, then this way they get some experience in the trade area because the traditional class is boring and guides them to give up their studies.

“Esse trabalho propiciou e motivou a participação dos estudantes nos Temas Geradores, além de permitir uma maior interação entre professor-aluno e aluno entre seus pares, por meio da dialogicidade estabelecida em sala, que promoveu uma aprendizagem mais significativa para os discentes.”

5.1- Scientific contribution

This project has a strong interdisciplinarity with the subjects biology, chemistry and natural science because we may study seeds, organic fertilizer, land preparation and can be highly worked in elementary schools and high schools with practical aplicability. In this case, students may gather things they learnt in the classroom with the daily life.

6-References

SILVA, Kennedy; PIMENTEL Anatides; CARVALHO, Elenilma; FIOROTTI, Josiana
HORTA: A IMPORTÂNCIA NO DESENVOLVIMENTO ESCOLAR, Faculdade de Aracruz, 2009
Acesso em: 24-02-2019
Horta escolar: temas geradores e os momentos pedagógicos no ensino de ciências
Disponível em: https://repositorio.ufu.br/handle/123456789/17797
Acesso em: 31 de março de 2019

https://youtu.be/DqxR2WMS_JE
https://youtu.be/CI3N_XbPkzA
https://youtu.be/VcZrf6gLLZMQ
https://youtu.be/Pk9nY_dcqSU
https://youtu.be/hpF1MAZc0zQ

7- Attachments

Using the hoe to plant
Putting the fertilizer
Making the signs to the vegetable garden
Vegetable Garden Signs
Pumpkin

watering
Gherkin