IO3 – ICE-CAP WebQuest

WebQuest – Gardening
Developed by AEVA

ice-cap

TIME ALLOCATED:	180 minutes
LEVEL:	Advanced
TITLE OF THE WEBQUEST:	A green attitude

INTRODUCTION:

Having a green attitude means be aware of many details in different contexts, at home or at school, and be responsible for our own behaviour, in some cases, trying to influence other's behaviours too, being our family or our friends.

Gardening, namely sustainable gardening, is not only an exclusive matter of rural landscapes, it can be a reality in small or even big cities. And by doing that, we not only can influence the quality of the products we eat but influence some enhance on environment.

It's all about having a responsible attitude towards what we consume and be aware of the benefits of re-use and recycling. Are you ready?

TASKS:

In order to promote an efficient water consumption at home, you should collect information about water consumption in garden and explore ways of saving water in gardening.

Aiming the creation of a programme to increase the use of organic materials in gardening, you need to search for information about composting process and to compare different types of composting.

Bearing in mind the trend that consists of using the roofs to get cities greener, outline advantages of green roofs and synthesize best practises regarding green roofs.

To elaborate your plan to run a successful community garden, you need to search for information about urban gardens and identify the role of urban gardens in communities.

With the objective of contributing to the awareness of gardening at school, you should reflect about why gardening should be taught in school and identify good examples of gardening at school.

To encourage gardening practising in a sustainable way, you will need to search for
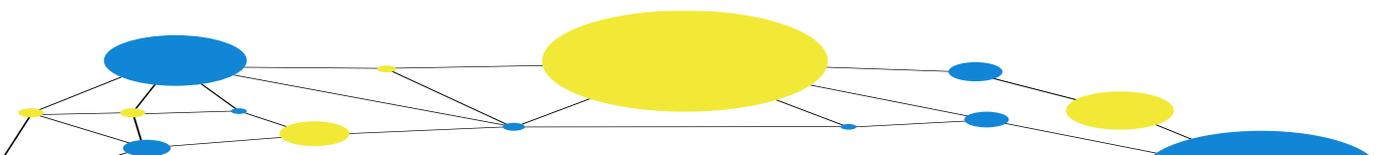
information about sustainable gardening and analyse the way food waste could become food garden.

PROCESS:

Step 1 - Promote efficient water consumption at home
Start collecting information about water consumption in garden and explore ways of saving water in gardening. Afterwards, you should sum up your conclusions to discuss with your schoolmates, using a poster, a presentation or any other form you prefer.

Step 2 - Produce a programme to increase the use of organic materials in gardening
Get some ideas about composting process and to compare different types of composting. Then, you should create a programme to increase the use of organic materials in gardening that you could give to your schoolmates, including: health advantages of using organic and clearly identifying different types of composting.

Step 3 - Contribute to the promotion of green roofs
Try to identify advantages of green roofs and synthesize best practises regarding green roofs. Then, you should create an advertisement – a film, poster, whatever suits best your goal – reflecting good practises in your town or that you've noticed in your research.

*Step 4 - Create a plan to run a successful community garden*
Search for information about urban gardens and identify the role of urban gardens in communities. Then, you should create a plan to run a successful community garden, focusing on people's individual behaviour and trying to engage them with plan.

Step 5 - Contribute to the awareness of gardening at school
Now get some tips about why gardening should be taught in school and identify good examples of gardening at school. Afterwards, you should elaborate an article to your school journal or a post in school social media, identifying clearly the advantages of this practising.

Step 6 - Encourage gardening practising in a sustainable way
Finally, get information about sustainable gardening and analyse the way food waste could become food garden. Then, you should create a poster that could be post in your school canteen, appealing to best practises regarding food wasting and recycling.
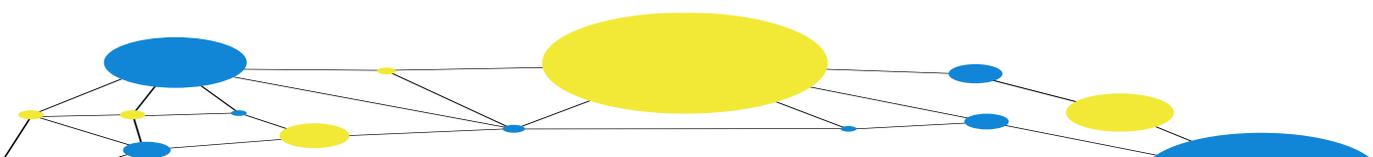
RESOURCES:

Resources for Step 1:
- How to save water in your home
  https://www.directenergy.com/learning-center/green-living/save-water-at-home
- Efficient use of water in the garden and landscape
  https://aggie-horticulture.tamu.edu/earthkind/drought/efficient-use-of-water-in-the-garden-and-landscape/
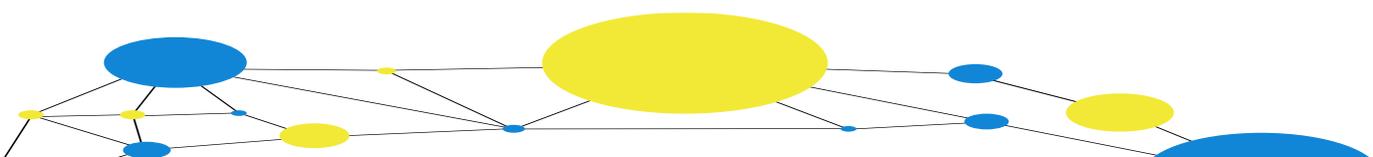
Resources for Step 2:
- 10 Green living tips for your yard
  https://www.directenergy.com/learning-center/green-living/green-living-tips-for-your-yard
- How to make compost - composting process - compost methods
  https://www.youtube.com/watch?v=n1cVCkCfwi0
- 7 Easy steps to composting
  https://www.leduc.ca/composting/7-easy-steps-composting
- Indoors/Outdoors
  https://www.planetnatural.com/composting-101/getting-started/types/

Resources for Step 3:
- About green roofs
  https://greenroofs.org/about-green-roofs
- 6 Busted green-roof myths
  https://www.forbes.com/sites/houzz/2013/12/30/6-busted-green-roof-myths/#5d3cce863384
- Advantages of green roofs
  http://www.greenrooftechnology.com/advantages-of-green-roofs
- The process of creating an advertisement in 9 simple steps
  https://blog.bannersnack.com/create-advertisement-online/

Resources for Step 4:
- A highly productive small-scale urban garden | Urban Farming | Gardening Australia
  https://www.youtube.com/watch?v=BXzz5b7kVQM
- Why community gardens are important for your community
  https://www.seewhatgrows.org/community-gardens-important-community/
- 4 Tips for a successful urban garden
  https://www.ffa.org/the-feed/4-tips-for-a-successful-urban-garden/

- Step-by-step a guide to starting an urban garden
  https://www.networx.com/article/step-by-step-a-guide-to-starting-an-urb

Resources for Step 5:
- Why gardening should be taught in schools
  https://vandaandeddie.uk/why-gardening-should-be-taught-in-schools/
- Should gardening be a subject taught in school?
  https://canadianbudgetbinder.com/2015/03/02/should-gardening-be-a-subject-taught-in-school/
- How to start a school garden: your complete guide
  https://learn.eartheasy.com/guides/how-to-start-a-school-garden-your-complete-guide/

Resources for Step 6:
- Sustainable gardening: it's all the rage!
  https://www.planetnatural.com/sustainable-gardening/
- Easy tips for sustainable gardening
  https://www.youtube.com/watch?v=CYi4vG1Jz_A
- Composting and food waste
  https://foodprint.org/eating-sustainably/composting-and-food-waste/
- 82 Sustainable gardening tips
  https://www.motherearthnews.com/organic-gardening/gardening-techniques/sustainable-gardening-zm0z11zsto

EVALUATION:

On completion of this WebQuest, young adults will have achieved the following learning outcomes:

Knowledge	Skills	Attitudes
- Collect information about water consumption in garden. - Search for information about composting process. - Outline advantages of green roofs.	- Explore ways of saving water in garden. - Compare different types of composting. - Synthesize best practises regarding green roofs. - Identify the role of	- Promote efficient water consumption at home. - Produce a programme to increase the use of organic materials in gardening. - Contribute to the promotion of green

• Search for information about urban gardens. • Reflect about why gardening should be taught in school. • Search for information about sustainable gardening.	urban gardens in communities. • Identify good examples of gardening at school. • Analyse the way food waste could become food garden.	roofs. • Create a plan to run a successful community garden. • Contribute to the awareness of gardening at school. • Encourage gardening practising in a sustainable way..

As part of your self-assessment, you can consider the following questions to reflect about what you have learnt with this WebQuest:

- What did I learn about having a green attitude regarding gardening?
- What gardening has to do with sustainable development?
- Is it important to include subjects like gardening in schools' programs?
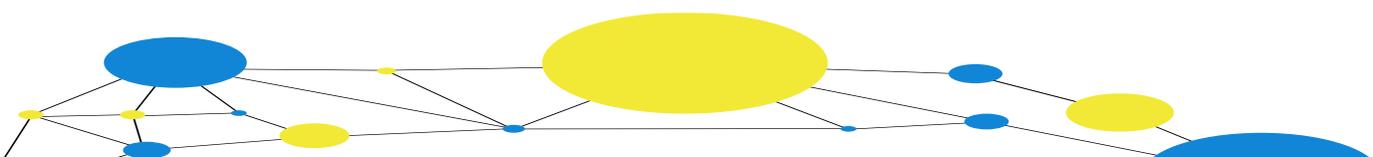- What is the role of gardening in smart cities?

Questions that might be used to start a discussion with your peers, parents or teachers:

- Have you changed any ideas you used to have on the role of gardening for a sustainable environment?
- What was the most relevant fact you took from this challenge? Was there any information you got that was new for you?
- By doing this WebQuest, did you change any of your habits? If so, what exactly did you change?
- What are you going to do, from now on, with the information you got from this challenge? What could it be your "next steps" regarding these subjects?

CONCLUSION:

What does it mean to have a green attitude? Could it be a person that promotes efficient water consumption at home or the use of organic materials in gardening? Or someone that invest on green roofs, community gardens and sustainable gardening in his own community or at school?

By doing this WebQuest, you will be challenged to reflect and identify several ways of adopting a green attitude, namely regarding gardening, specifically in an urban and school context.

CREATIVE EXCHANGE

cantabria
perma
cultura

spectrum
RESEARCH CENTRE

HUBKARELIA

dante
USTANOVA ZA | ADULT
OBRAZOVANJE | EDUCATION
ODRASLIH | INSTITUTION

A E V A

S V E B ■
F S E A ■

With the support of
movetia
Austausch und Mobilität
Echanges et mobilité
Scambi e mobilità
Exchange and mobility

Co-funded by the
Erasmus+ Programme
of the European Union