

Daily Lesson Plan (DLP)

Topic: Research your growing zone		Day :1
Grade: 4-5	Lesson Name: Research your growing zone	Time :(60 Mins.)

Topic	What gardening tools will you need?		
Weekly key words	Tools, essential, sharp, pointed, wheelbarrow, shovels, hand fork, maintenance, etc		
Seating plan	<input type="checkbox"/> Individual <input type="checkbox"/> Pairs <input type="checkbox"/> Group of 4		
Skill development	<input checked="" type="checkbox"/> Reading <input checked="" type="checkbox"/> Writing <input checked="" type="checkbox"/> Discussion <input type="checkbox"/> Presentation <input type="checkbox"/> Reflection <input type="checkbox"/> Illustration <input type="checkbox"/> Collaboration <input type="checkbox"/> Observation <input type="checkbox"/> Research <input type="checkbox"/> Other (Specify)		

<p>Objectives:</p> <p>➤ The students will be able to:</p>	<ul style="list-style-type: none"> ➤ Learn what tools can be used for gardening ➤ Learn what types of tools can be used for gardening ➤ How these tools can be cared for and their daily maintenance
<p>Teaching Resources:</p>	<p>Multimedia/projector, laptop, YouTube, writing board, notebook, piece of paper, pen/pencil</p>
<p>Teaching Learning Strategies</p>	
<p>Introduction:</p> <p>Icebreaker Activity: Show some pictures of garden tools to the students and encourage them to share their names. Encourage them to talk about their use as well. Take their responses and give feedback. 05 mins.</p> <p>Note: The teacher can either show the pictures or images using mobile phones or laptops whatever is available in the classroom.</p> <div> <p>A collection of various gardening tools arranged on a light background. The tools include a large shovel with a red handle, a small trowel, an axe, a rake, a pruner, a pair of yellow gloves, a green watering can, a red bucket, and a pitchfork.</p> </div> <p>Methodology: 20 mins.</p> <p>The teacher will talk about the gardening tools and their importance in gardening. Starting gardening require use of tools. The selection of right tools for doing a variety of work in garden is very essential for a success. Open the following link to show the video to the students, using a projector, multimedia, or a laptop.</p>	

<https://youtu.be/IK31eOjWy1A>

Group Work:

Make each group of 4 students and encourage them to discuss the content shown in the video. (10 mins.)

While doing gardening, choosing the right tools makes a big difference. A sharp tool makes gardening easier and more effective and saves time. It is advised to focus on the basics, quality, and durability of tools that will last longer for a lifetime.

The teacher will discuss some gardening tools along with their use.

1. Hand Trowel:

Hand trowel is a small hand tool that is used for digging at ground level and digging small holes for planting seeds, measuring depths in the soil, and digging up tough weeds. The hand towel has a narrow, sturdy blade that can cut into the soil easily as well as one that has a comfortable grip. It is the best choice for a gardener to use in gardening.

2. Hand Fork or Cultivator:

This is also a hand tool it is called as fork or cultivator. As the name ‘cultivator’ suggests its use. It is useful for scratching the soil to remove small weeds and rough up the soil. Both in the garden and in a container. A good quality fork can really help in gardening. A cheap bad quality fork may snap on the first use. You need a really strong handle and shaft, and a solid combination where the shaft and head join. Hand trowel and hand fork are usually available as a set as these are essential gardening tools.

3. Long-handled Shovels and Spades:

A long-handled spade has a straight-edged, flat blade and is good for digging straight-sided holes, cutting roots, removing plants and weeds, and making edgings. There are also long-handled garden shovels with pointed, sharp, rounded blade; these shovels are good for digging holes and moving soil. Both types of these tools make gardening easier. The longer the handle, the more leverage you will get.

Going for forged metal is a good option in the matter of long-handled shovels.

4. Garden Rake:

A garden rake also called a ground rake has metal tines and is used for smoothing out the compost or for raking the soil level to create a beautifully crumbly seedbed.

5. Hand Pruner or Pruning Shears:

If one has to choose the most essential tool for gardening, it must be a hand pruner. It is highly versatile to cut or trim small branches from perennial plants, shrubs, and trees. Choosing a bypass-style pruner is advisable which means it is the top blade slices pass the bottom blade, resulting in very quick, tear-free cuts so plants can heal speedily.

The anvil pruner which is a common variety, its top blade chomps down onto the bottom blade. This can damage the stem or branch that you are cutting.

Hand pruners can also be useful for harvesting ripe vegetables without damaging the plants. It is better to go for hand pruner with razor-sharp blades and a comfortable hold/grip.

6. Wheelbarrow:

No other tool can beat the importance of a wheelbarrow. It is very good for weeding, hauling soil or leaves, collecting debris, and countless other tasks. A sturdiest wheelbarrow is made up of one piece of heavy steel to carry heavy loads, but heavy-duty plastic wheelbarrow is a better choice for home gardeners. A wheelbarrow is easier to steer than a two-wheeled yard cart, but it is less stable.

Using a wheelbarrow or yard cart can be helpful to preserve your back which is always at risk of strain from bending to plant and weed your garden.

7. Watering Can:

A watering can is the best option to water at small places such as home gardens or school gardens. It enables evenly watering plants anywhere. You can choose either plastic or metal with a removable spout. But for younger gardeners, plastic can is a better choice. It should not be heavier to carry for little gardeners.

The teacher can share the picture of each garden tool discussed in the classroom for better understanding.

How to Care Daily Tools:

A regular care and maintenance routine keeps garden tools in good working condition and helps them last longer and work in good order. The tools need not only to be sharp, but also clean and sterile. The tools which are exposed to plants and soil with bacterial, fungal, or insect infections can spread those problems to other parts of the garden too. Cleaning properly and drying tools can save them from rusting too. It is better to take good care of your garden tools by cleaning them after every gardening session to protect your garden from any problems.

Activity: (30 mins.) (Group Work)

Design your own school garden, and add it to the site either hide or disperse some gardening tools all around the school garden area.

Take your class on a garden discovery any season through a fun scavenger hunt.

Divide the class into groups of 3-4 learners. Have each group complete one section of the hunt, minimizing the number of items that you are collecting from the garden. Each section is designed to explore different gardening tools present there. Choose a hunt that matches your age level and season. For each group of learners: Copy of Scavenger Hunt on a clipboard

- Before going outside, describe the garden rules to the learners. Explain that the garden is another kind of classroom. Engage them in a discussion about what rules would be best to promote respect of the living plants and animals in the garden as well as each other.
- Clearly explain where they can walk and where they cannot.
- Ask for help from parents and volunteers so that ideally there is one adult with each group of learners. 1. Each group will be looking for one section of the Scavenger Hunt. They will have 15 minutes to complete the search. 2. After the learners discover an item on the list, have them check it off and then write down its uses in their journals so that they can share what they have found with the class.
- After they find all of the items on their list, they will draw or write down the similarities and differences between the items they have found.
- Gather the class together again and have each group present their findings to the entire class, along with their observations of uses, similarities and differences

Wrap up (5mins.): Wind up the lesson by asking the students randomly to assess their understanding of the topic.

Home Assessment:

The students will revise the topic as homework.

Worksheet (Day1)

Lesson Evaluation:

- Teacher was able to accomplish all aspects of the lesson well ☐
- Teacher was not able to do warm up activity ☐,
- develop lesson plan well ☐,
- do the learning activity ☐,
- do wrap up ☐,
- accomplish lesson objective ☐,
- manage time well ☐,
- manage class well ☐

Worksheet Day 1

Name: _____

Topic: Gardening

Class: _____

Subject: Science

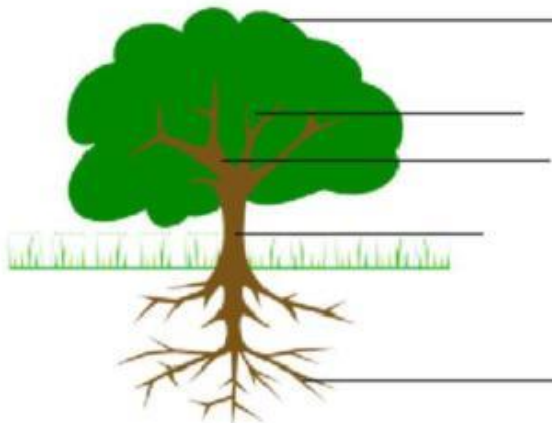
In the Garden

Connect the words to the pictures:

hose - wheelbarrow - rake - mower - shovel - trowel - hoe -
secateurs - garden fork - watering can - ride-on-mower



Name the parts of the tree:



Small animals:

Connect the name to the picture:

caterpillar ladybird
aphid snail
grasshopper bee

