



Exploring Smart Tools which are important for Precision Agriculture

Activity 1: Virtual Trip

- YouTube Video Title: 3 Applications of AI in Agriculture
- Duration: 4.16 minutes
- YouTube Video Link: https://youtu.be/nsnpEmr1q_k?si=3PHI2R7XwLJZ63UM



Observation Sheets based on video viewing

OBSERVATION SHEET

Name: _____

Virtual Video on Smart Tool Used in Agriculture

What I saw?

What I heard: _____

I thought: _____

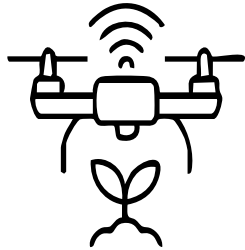
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Activity 2: Matching Exercise

Match the pictures to the names.



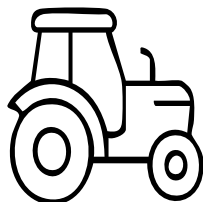
Drone



Smartphone



Tractor



Smart Irrigation



Teacher's Responsibilities adapted to lesson requirements

1. Introduction

Introduce the lesson clearly in an engaging manner.

2. Presentation of visuals and videos

- Show the pictures sequentially, explaining each one in simple, clear language.
- Play the virtual video trip, pausing to highlight important features and encourage viewers' observations by asking simple prompt questions.
- Use visual aids and gestures to reinforce understanding.

3. Facilitation

Provide individual support, as required, to help students fill their observation sheet and learners' personal journal.

4. Assessment and feedback

- Observe learners' engagement and understanding.
- Use simple assessments (e.g. verbal responses).
- Offer positive and constructive feedback.

5. Follow-up

- Summarise the key points of the lesson.
- Learners are given opportunities to express what they learned.
- Motivate students to complete their observation sheet and learners' personal journal.



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Activity 3: Learner Personal Learning Journal: Smart Tools for Precise Agriculture

Learner Personal Learning Journal

Name: _____

Date: _____

Today, I learned about smart tools that help farmers grow crops better.
What are smart tools?

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Why are these tools important?

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Exploring Smart Tools which are important for Precision Agriculture

I draw 2 – 3 Smart Tools that I have learned about.

My thoughts

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