

Water & Agriculture

LEARNING RECAP

- **The Source of Life:** Water is essential for life, and we must save and protect it because plants, animals, and people all depend on it.
- **Feeding the World:** Agriculture grows the food we eat, and using healthy soil and sustainable farming helps feed everyone and protect nature.
- **Agriculture Connection:** Water and farming rely on each other, so saving water and practicing responsible agriculture ensures food and environmental sustainability.

AT HOME ACTIVITIES

Mini Plant Growth Experiment:

- Plant seeds (beans or radishes) in three pots with soil.
- Water one daily, one every three days, and leave one dry, then observe and record growth over 1–2 weeks.

Water Waste Detective:

- Track how much water you use while brushing teeth, washing vegetables, or watering plants.
- Record the amounts and discuss how conserving water helps crops and the environment.

Build a Farm Water Game:

- Create a mini farm in a tray with soil and seeds.
- Water each section with different amounts (light, moderate, heavy) and observe which crops grow best.

FUN FACTS

- About 70% of the world's freshwater is used for farming, showing how water is essential for growing the food we eat.
- Just like humans, plants need water to survive, grow, and produce fruits and vegetables.
- Over 800 million people globally face hunger partly because of water shortages affecting crop growth.
- Drip irrigation can save up to 50% of water compared to traditional watering methods while keeping crops healthy.
- Without enough water, farms produce less food, which can affect what ends up on your plate.