Introduction (5 minutes)

1. Workshop overview
2. Importance of plant selection and growing mediums in passive hydroponic urban farming

Plant Selection for Passive Hydroponic Systems (15 minutes)

1. Suitable plant types for passive hydroponics
    1. Understanding the characteristics of plants that thrive in passive hydroponic systems
    2. Examples of popular plants for passive hydroponics
2. Lighting need considerations
    1. Is the plant sun-loving or shade-thriving plants
    2. Adapting plant selection to local climate and indoor conditions
3. Plant compatibility and placement
    1. Understanding the importance of plant compatibility in passive hydroponic systems
    2. Optimizing plant placement for growth and maintenance

Growing Mediums in Passive Hydroponics (15 minutes)

1. Purpose of growing mediums in passive hydroponics
    1. Understanding the role of growing mediums in passive hydroponic systems
    2. How growing mediums affect plant growth and nutrient uptake
2. Types of growing mediums suitable for passive hydroponics
    1. Overview of common growing mediums used in passive hydroponic systems
    2. Advantages and disadvantages of different growing mediums
3. Selecting the appropriate growing medium
    1. Factors to consider when choosing a growing medium for passive hydroponics
    2. Matching growing mediums with plant types and system requirements

Nutrient Management in Passive Hydroponic Systems (15 minutes)

1. Nutrient requirements for plants in passive hydroponic systems
    1. Understanding essential plant nutrients and their roles in plant growth
    2. Differences in nutrient requirements between passive hydroponics and soil-based growing
2. Nutrient solutions for passive hydroponics
    1. Overview of nutrient solutions suitable for passive hydroponic systems
    2. Tips for selecting and preparing nutrient solutions
3. Monitoring and adjusting nutrient levels
    1. Importance of monitoring nutrient levels in passive hydroponic systems

2. Techniques for measuring and adjusting nutrient levels to maintain optimal plant growth

Conclusion (5 minutes)

1. Recap of the workshop
    1. Key takeaways from plant selection, growing mediums, and nutrient management in passive hydroponic urban farming
    2. Importance of selecting suitable plants and growing mediums for successful passive hydroponic systems
2. Next steps and resources
    1. Encourage participants to apply the knowledge gained in the workshop to their own passive hydroponic urban farm projects
    2. Provide resources and support for participants' urban farming journey with passive hydroponics
3. Closing remarks
    1. Thank participants for attending the workshop
    2. Encourage participation in future workshops and continued learning about passive hydroponic urban farming