

# URBAN FARMING



# **URBAN FARMING**

**IS GROWING OR PRODUCING FOOD IN A  
CITY OR HEAVILY POPULATED TOWN.**





# THIS SHOULDN'T BE CONFUSED WITH COMMUNITY GARDENING!

**URBAN FARMING** INVOLVES A LARGE AMOUNT OF PRODUCE, USUALLY TO BE SOLD TO EVERYDAY CONSUMERS.



**COMMUNITY GARDENING** TAKES PLACE IN A SHARED SPACE WITH NEIGHBOURS, FRIENDS AND FAMILY.



What are the different  
types of urban farming?



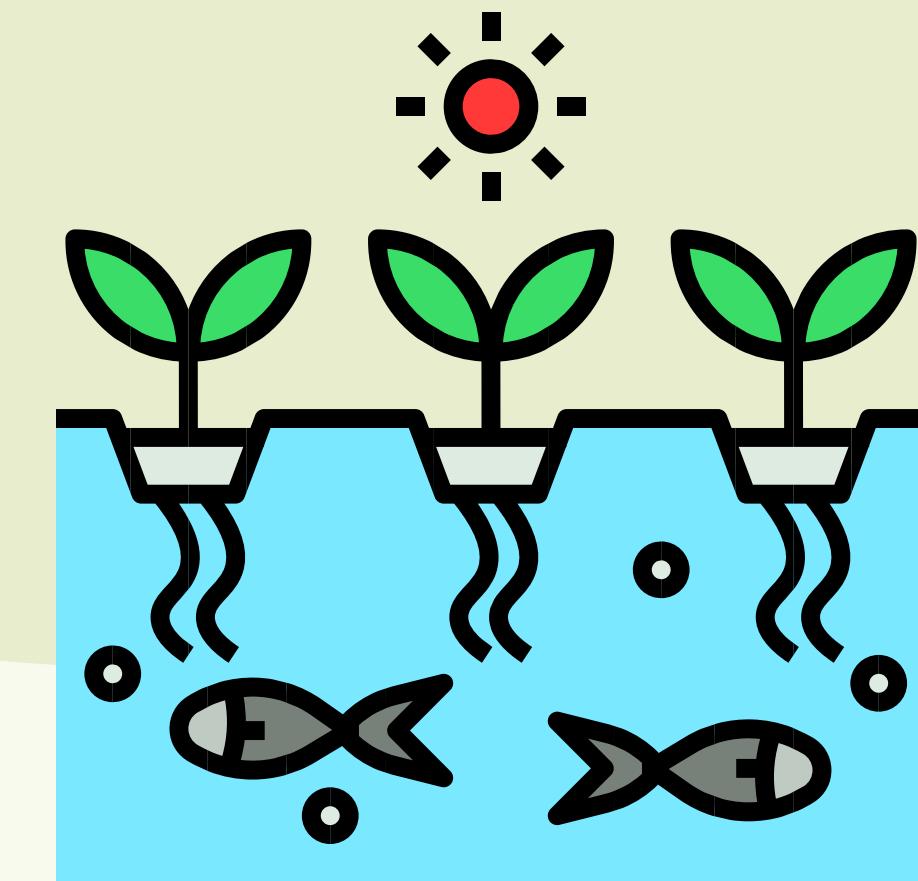


HYDROPONICS

There is...

VERTICAL FARMING





## AQUAPONICS

## MICROGREENS



## SHIPPING CONTAINER FARMS & MORE!





<https://www.youtube.com/watch?v=0NehZOPzxIM>

**WATCH THIS VIDEO TO SEE A  
ROOFTOP FARM IN ORCHARD ROAD!**





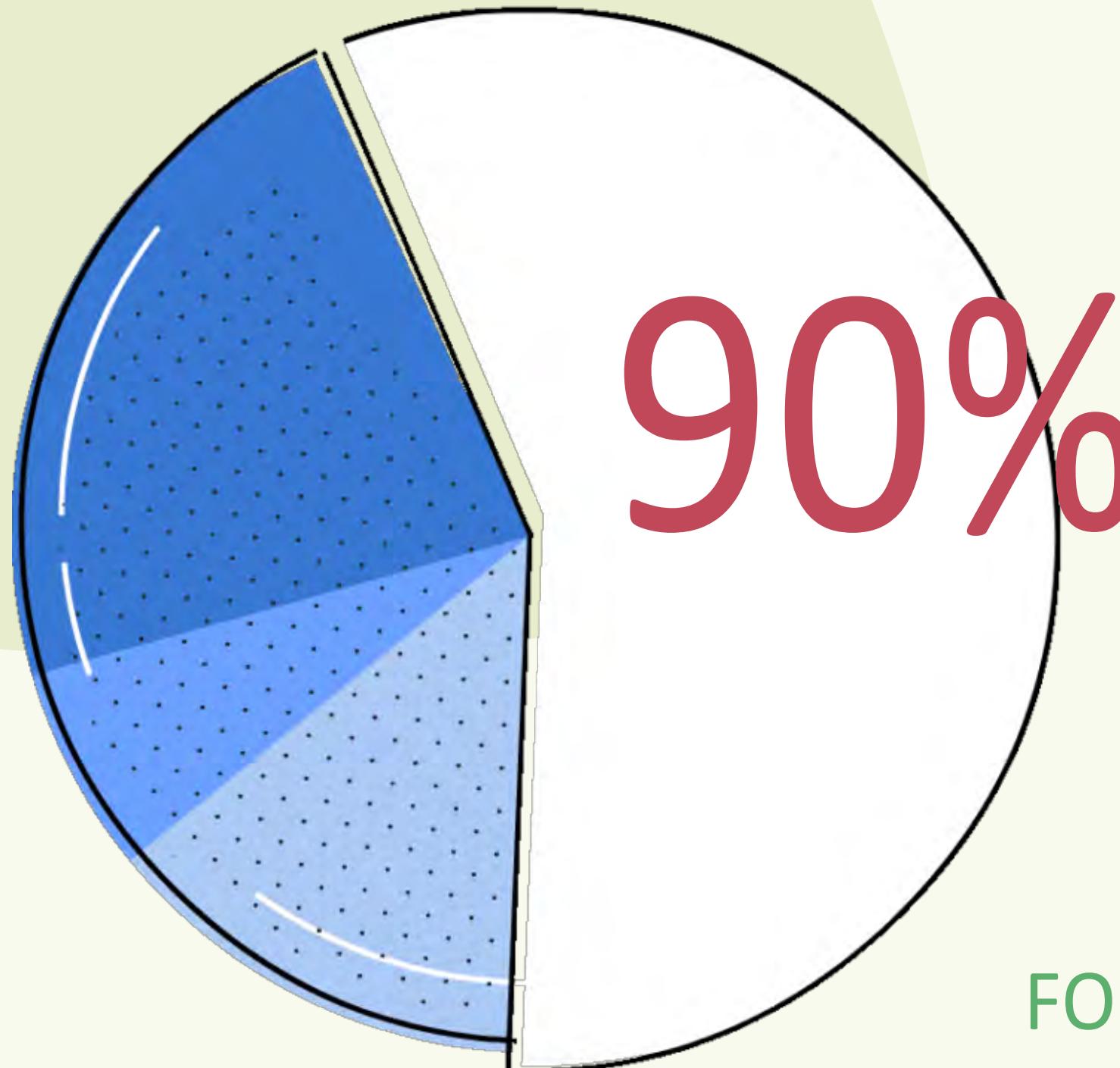
# TALKING POINTS

What does an urban farmer do on a day-to-day basis?



What are some of the produce you can grow in an urban farm?

What is the percentage of food in Singapore that comes from local produce?



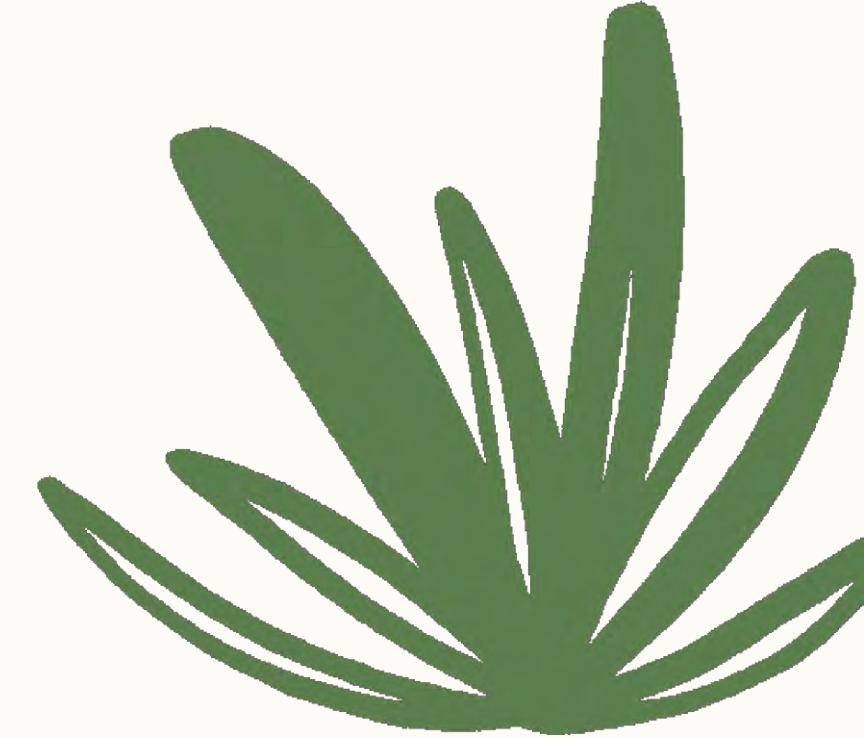
of Singapore's  
food is imported

FOR A MORE STABLE FOOD SUPPLY,  
URBAN FARMING MAY BE THE  
FUTURE OF FOOD IN SINGAPORE.



# Vertical Farming

A METHOD OF PRODUCING FOOD IN VERTICALLY STACKED layers.



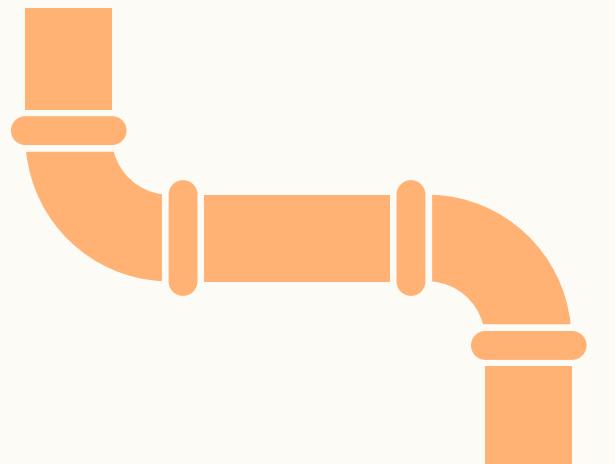


WHAT DO YOU THINK IS NEEDED TO START A VERTICAL FARM?





fill in the blanks!



s t \_ u \_ t \_ \_ e



L I \_ \_ T \_ N G

W \_ T \_ \_

# BENEFITS OF VERTICAL FARMING



IN A DENSE CITY WITH LITTLE LAND, VERTICAL FARMING MAKES USE OF THE SPACE THAT IS AVAILABLE.



UNFAVOURABLE WEATHER DOES NOT AFFECT VERTICAL FARMING. THIS WAY, MORE PRODUCE CAN BE HARVESTED.



70% TO 95% LESS WATER IS REQUIRED FOR VERTICAL FARMING COMPARED TO NORMAL FARMING.



NO PESTICIDES REQUIRED! THIS MAKES IT SAFE FOR FARMERS, CONSUMERS, AS WELL AS THE ENVIRONMENT.

URBAN FARMS PRODUCE A LOT OF LEAFY  
GREENS THAT SUIT OUR TASTEBUDS!



LETTUCE

DO YOU KNOW THE COMMON NAMES OF THESE  
VEGETABLES USED IN MARKETS?



SPINACH



WATER  
SPINACH



# ACTIVITY TIME!



# STRAWBERRY-MINT LEMONADE



ONE OF THE MOST COMMON PLANTS YOU CAN TRY GROWING AT HOME IS MINT. YOU CAN USE THE LEAVES TO MAKE THIS COOLING DRINK WITH YOUR FAMILY!

## WHAT YOU'LL NEED

3 CUPS WATER

3 CUPS COLD WATER

½ CUP SUGAR

8 - 9 LEMONS (1/2 TSP. ZEST, 1  
1/2 TO 1 3/4 CUPS JUICE)

3 CUPS SLICED FRESH  
STRAWBERRIES

LEMON SLICES

1 ½ CUPS CHOPPED FRESH  
MINT LEAVES      ICE CUBES

<https://www.nparks.gov.sg/nparksbuzz/jan-issue-2021/gardening/growing-mints---a-'cool'-idea-you-can-try-at-home>



SCAN THE QR  
CODE FOR TIPS  
GROWING MINT!

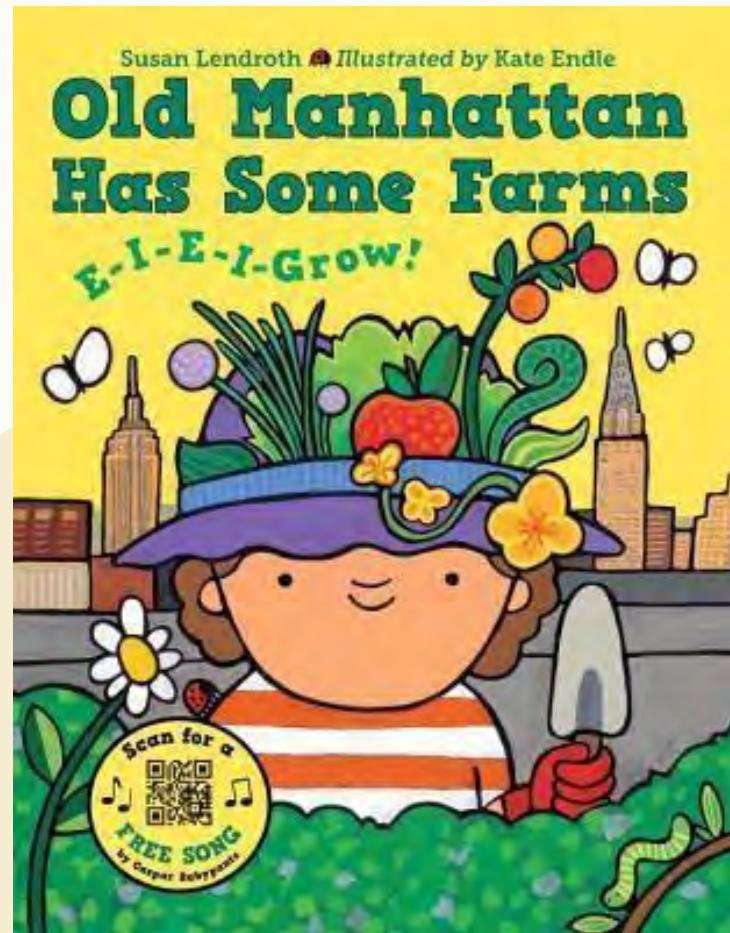


**FOR SIMPLE SYRUP: IN A LARGE SAUCEPAN COMBINE 3 CUPS WATER, THE SLICED STRAWBERRIES, AND SUGAR. BRING TO BOILING, STIRRING UNTIL SUGAR DISSOLVES. REDUCE HEAT: SIMMER 5 MINUTES. REMOVE FROM HEAT. ADD CHOPPED MINT: COVER AND LET STEEP 30 MINUTES. USING A FINE-MESH STRAINER, STRAIN SYRUP TO REMOVE MINT AND BERRIES. LET COOL.**

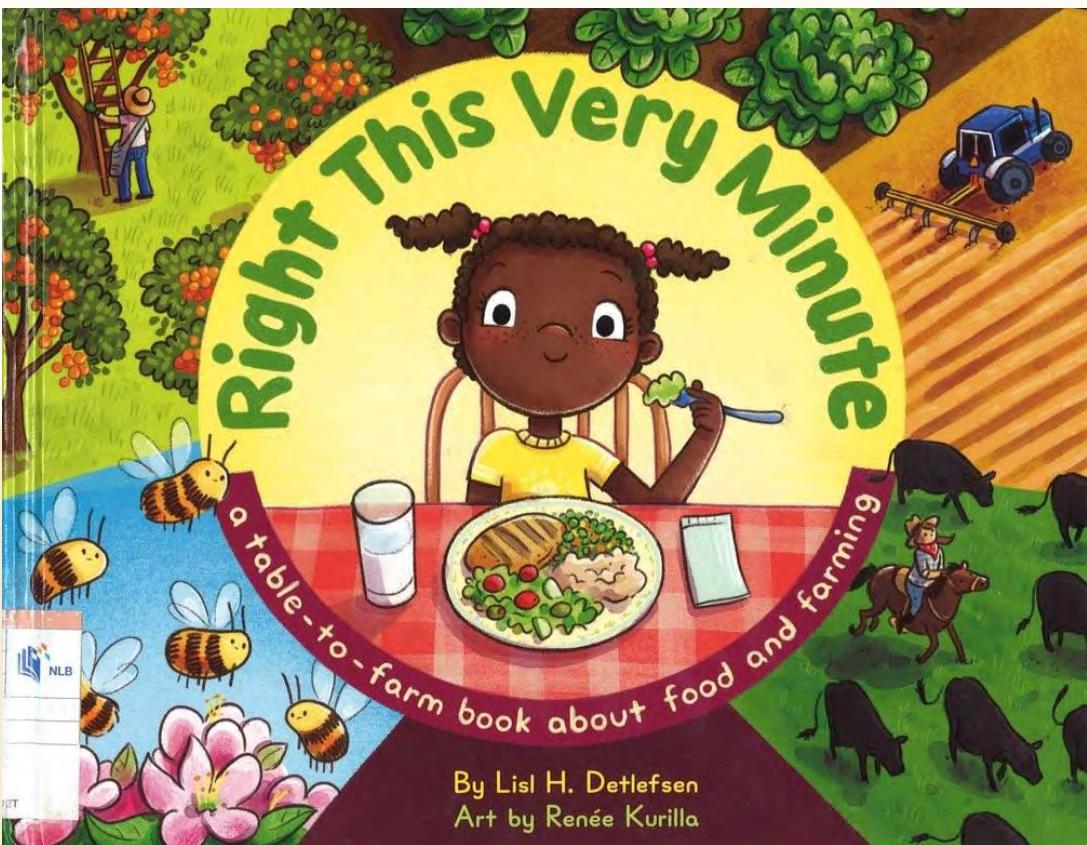
**IN A PITCHER COMBINE 3 CUPS COLD WATER, THE SIMPLE SYRUP, LEMON ZEST, AND LEMON JUICE. ADD LEMON SLICES ALONG WITH ADDITIONAL STRAWBERRY SLICES AND MINT LEAVES. CHILL UP TO 4 HOURS BEFORE SERVING. SERVES 8.**



# BOOK RECOMMENDATIONS



**OLD MANHATTAN HAS SOME FARMS**  
Author: Susan Lendroth  
Section/Shelf Location: Early Literacy Emergent Readers  
Call Number: English 635.091732 LEN



**RIGHT THIS VERY MINUTE**  
Author: Lisl H. Detlefsen  
Section/Shelf Location: Children Picture Books / Non-Fiction  
Call Number: English 641.3 DET



**GROWING KITCHEN SCRAPS**  
Author: Nur'afifah M. Hussain  
Section/Shelf Location: Juvenile Lending Singapore  
Call Number: English NUR