SMART CITY
BUILDING TOMORROW'S CITIES

INDUSTRY

SECURITY

RETAIL

SOCIETY

HEALTHCARE

HOME

ENERGY

MOBILITY

In the next 20 years, two billion people will move to cities. Will that be good or bad? It depends. But with new technology, there will be new ways cities can change to become more efficient, more pleasant and more environmentally-friendly!

It's 2025. You spend the day in a smart city with the Cook family

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INDUSTRY

RETAIL

SOCIETY

SECURITY

A) LIGHTENING 06:45
Mrs Cook leaves for work early in the morning. When she walks down the road, the street lights will switch on. When she's gone, they'll switch off again. This saves energy and stops light pollution.

B) DRIVING 07:45
Mr Cook drives to work. In fact, the electric car drives him to work. Why? It's a driverless car! And he doesn't have to plug it in! Why? The road charges his car as he drives.

C) HEALTH 08:15
Jennifer Cook is leaving for school. She has an allergy. Pollen sensors tell her phone when the air quality is bad and when she has to take her medecine.

D) HEALTH 08:15
Jennifer Cook eats a protein bar on the way to school. She put the wrapper in the bin. The bin is full. A sensor tell the waste management company to come and empty it.

E) SHOPPING 13:15

Mrs goes shopping in her lunch break. She doesn't use any cash or card. She can pay with her fingerprint or face!!

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F) POLLUTION 14:00

Jennifer has a PE lesson. She can breathe easily thanks to a smart idea about pollution. Her school building is green. It's covered with algae, a tiny plant. This special algae eats carbon dioxide from the air, so it's less polluted.

G) FOOD 15:30

After school, Jennifer gets a healthy snack. She buys city-grown fruit and vegetables! Now, crops are grown in smart farms inside the city and on the side of office and school buildings!

H) PROBLEM- SOLVING 17:50

It's rush hour. A car breaks down on a busy road on Mr Cook's route home, but there's no traffic jam. Traffic sensors see the problem and send assistance. Road signs tell the drivers to slow down, or to choose a different route.

SMART CITIES??

I) Match the word with its definition

a) efficient   1) the busiest time to travel
b) pleasant   2) quick, easy, useful
c) to plug   3) a device that measure something
d) to charge   4) the plants on a farm that make food
e) sensor   5) to give something energy
f) crops   6) to connect to a power source
g) rush hours   7) nice

II) Comprehension

A) Write the correct letter in each box:
1)This will stop litter and rats on the streets.   ☐
2) This is will save petrol.   ☐
3) This will limit traffic delays.   ☐
4) It will be easier and safer to pay for your lunch   ☐
5) food will be local and cheaper.   ☐
6) This will give the city cleaner, less polluted air.   ☐

B) What technology (ies) does each member of the family use?

C) What are the advantages experimented by the Cook family?

D) According to you, what paragraph illustrates best our cities in the future?

III Discuss

A) Would you like to live in a smart city in the future? Why or why not?
B) What are the best things about life in smart cities?
C) What are the worst things?
D) Are smart cities a solution in the future?

IV Work in groups

Think of a problem with modern life in a city and write a business plan to fix it. Talk about:
*   Your company name
*   What problem will your company fix?
*   How will you fix the problem?
*   How will this help citizens?
*   How much will it cost?