**"3-minute Concept" Animated Video Clips Series:**

**Smart City**

**Subtitles**

3-minute Concept **Smart City**

Life and Society (Secondary 1-3)

Personal, Social and Humanities Education Section

Curriculum Development Institute

Education Bureau

HKSAR Government

A smart city can take advantage of innovation and technological development to improve and upgrade its systems, overall operations and city services to improve citizens’ lives and the environment.

Possible directions for development include:

Smart Mobility

Travellers can obtain interconnected information through intelligent systems to plan their journeys more effectively, such as changing routes and transportation modes.

The real-time information on people, traffic, and logistics flow will allow us to better manage traffic flow, priorities for road use, etc.

By integrating mass transport systems, using clean energy vehicles, building bicycle- and walk-friendly environments, we can enjoy more convenient and environment-friendly mobility.

Smart Living

The intelligent systems provide real-time information on consumption of water, electricity and gas, which will allow users to know their energy consumption and help change habits to reduce waste and pollution.

The data provided by intelligent systems will allow service providers to grasp the overall usage, to manage the system load and to respond to the needs of different periods. When an emergency occurs, such as gas leaks or natural disasters, the service providers can respond immediately to increase system security.

Smart Environment

Through the use of sensor-equipped street trash cans, the management authority can prioritise the emptying of overflowing trash cans along the collection routes to reduce the impact of pollution.

We can use smart labels on different products to enhance the recycling efficiency since automated identification systems can easily identify harmful substances, profitable recyclable materials, etc.

Smart People

Citizens can adapt and use technology to manage their daily lives, such as conducting electronic transactions.

Through education and training, citizens can develop professional capabilities related to innovation and technology.

Citizens can participate in city building through diversified channels using innovative technology.

Smart Government

The government opens up public sector data to promote their innovative applications, to improve public services and encourage citizens’ participation in public affairs. The government can use social resources more effectively and respond to social needs and demands promptly.

Smart Economy

By optimising the business environment, attracting start-ups and investment, promoting smart production and supporting the development of high value-added industries, new employment opportunities will be created. The city can maintain its vibrancy and competitiveness.

To conclude, smart cities make use of innovative ideas and methods, as well as information, communication and other new technologies to connect and integrate city systems and services to increase the efficiency of its resource use, optimise city management and services and improve the environment, which together will improve the quality of life.

Reflection Question

What opportunities and challenges does the development of smart cities bring to the diversity and inclusiveness of society?