

### **The Appreciation of Dongjiang Water**

In 1963, Hong Kong (HK) had been hit by a once-in-a-century severe drought. HK Government was well aware that the increasing fresh water demand could no longer be satisfied by local yield solely, and the procurement of fresh water from Guangdong Province was the most efficient way for fulfilling the unmet water needs. It led to the establishment of the Dongjiang Water Supply System after the negotiation of the two governments, allowing Dongjiang water (DJ water) to be conveyed to HK against numerous topographical barriers from March 1965 onwards. Though it is only the 25<sup>th</sup> anniversary of HK's return to the motherland, DJ water facilitates the rapid development of the city in the recent 57 years.

Today, water imported from Dongjiang plays a significant role in HK. It accounts for 70% - 80% of the annual fresh water supply, exempting HK from water rationing since 1982. HK residents, unlike many of their regional neighbours, are fortunate that they have supplies of wholesome, reliable, accessible and efficiently distributed fresh water.

#### **3 things about DJ water you may not know**

**#1 Apart from HK, how many cities required supply of DJ water?**

A 7 cities

B 22 cities

Answer: A

Dongjiang supplies fresh water to HK and 7 cities in Guangdong Province including Meizhou, Shaoguan, Heyuan, Huizhou, Guangzhou, Dongguan and Shenzhen.

**#2 Which of the following measure is adopted to prevent contamination of DJ water supplied to HK?**

A Addition of chlorine

B Construction of a dedicated aqueduct

Answer: B

DJ water supplied to HK is originally extracted from Taiyuan Pumping Station at Dongguan and conveyed over a dedicated aqueduct. It eventually discharges into the Shenzhen Reservoir before being fed by pipelines across the border to Muk Wu Raw Water Pumping Station of HK.

#3 How does the Water Supplies Department (WSD) ensure the quality of DJ water?

A Installed a 24-hour online monitoring system

B Conduct water treatment processes directly at the water treatment works

Answer: A

Once the DJ water reaches HK, its quality is monitored through the on-line monitoring system at the Muk Wu Pumping Station. Samples are collected and tested through a series of examinations.

Water Save Dave: Do you think only HK is using DJ water? The population and water demand of Guangdong Province have been increasing in recent years, coupled with the impacts of climate change, it will be used up very soon if we do not cherish water!

## **“Cherish Water” Diary**

### **2022/23 “Cherish Water Campus” Teacher Training Workshops**

Two sessions of “Cherish Water Campus” Teacher Training Workshops were held in H<sub>2</sub>OPE Centre and via online live webinar respectively in July this year, with around 80 primary school teachers attending. At the workshops, engineer of WSD, Ms Ng Lai Kwai, gave an in-depth presentation on IEP, Teacher’s Portal, relevant resources and related supports as well as the introduction to the exhibition and activities of H<sub>2</sub>OPE Centre, facilitating teachers’ preparation of school activities for the upcoming school year. We look forward to working with different schools to foster a water conservation culture amongst the younger generation.

### **“Cherish Water Campus” Water Saving Week 2022**

“Cherish Water Campus” Water Saving Week 2022 concluded successfully. We would like to express our great gratitude to the participating schools, teachers and students for their supports to this campaign. Results of Promotional Video Contest and Slogan-cum-Poster Design Competition on “Climate Change and Water” will be announced in September 2022 on the Water Conservation website. Students who successfully completed the mission of “Water Crisis” Crossword Puzzle and 4-minute Shower Challenge will receive a souvenir. Awardees will be contacted by WSD individually.

The announcement of “Water Crisis” Crossword Puzzle answer

- 1 FREQUENCY
- 2 GREENHOUSE
- 3 SAFE
- 4 FRESHWATER
- 5 OVERFLOW
- 6 TEMPERATURE
- 7 DROUGHT
- 8 MANGKHUT
- 9 FLOOD
- 10 SUSTAINABILITY
- 11 FOSSIL FUEL
- 12 DEMAND

Water Save Dave : Do you answer the questions correctly?

## **“Cherish Water” Notice Board**

### **New Game Booths launched**

WSD has added 3 game booths for schools and organisations to borrow, allowing students to enhance their understanding of water resources through these interactive games.

<b>Water Crisis Rescue Team</b>	<b>The Journey of Water Save Dave</b>	<b>Recycled Water</b>
<ul style="list-style-type: none"><li>● To know the challenges of increasing demand of fresh water in HK</li><li>● To raise the awareness on the impact of climate change on water resources</li></ul>	<ul style="list-style-type: none"><li>● To familiarise with the fresh water supply system in HK which involves three key processes, viz collection of raw water, water treatment and distribution.</li></ul>	<ul style="list-style-type: none"><li>● To learn the source of recycled water</li><li>● To understand the importance of recycled water in water saving</li></ul>

#### **Details**

<https://www.waterconservation.gov.hk/en/at-school/cherish-water-primary-school/teaching-resources/borrowing-game-booths/index.html>

#### **Apply Now**

<https://www.waterconservation.gov.hk/en/at-school/cherish-water-primary-school/teachers-portal/login/index.html>

### **Activity Recommendation - Free Exhibition**

Water Save Dave: Hey! I have come across a lovely and fun place where I can acquire knowledge as well. Do you know where it is?

Boy: I know! It's H<sub>2</sub>OPE Centre in Tin Shui Wai which contains various interactive facilities. An exhibition named “Climate Change: The Drought is Spreading” is currently being held. It reveals the water crisis in different regions across the world. Hong Kong is also challenged by the drop of rainfall and the lift of water consumption. We should protect the precious water resources! Let's bring our parents to visit together by making an online appointment in advance!

H<sub>2</sub>OPE Centre

Address: 20 Tin Pak Road, Tin Shui Wai

Exhibition Period: From Now On (Close on Wednesdays)

Book Now

<https://www.h2opecentre.gov.hk/en/home/index.html>

### **Masterpieces Showcase**

Teachers are welcome to send us the masterpieces from your students.

#### **Slogan Design (Chinese Only)**

4A Song Yutong  
Fung Kai Innovative School

一人浪費，小小池塘。  
萬人浪費，汪洋大海。  
珍惜用水，人人有責。

5A Lin An Yiu  
Fung Kai No.1 Primary School

清澈之水不易來，  
點點滴滴是未來。

#### **Poster Design**

3A Yeung Hera  
Shau Kei Wan Government Primary School

4C Yeung Carson Chun Leong  
Chai Wan Kok Catholic Primary School

#### **Creative Water Saving Meal Design**

1D Lee Tung Yee  
Leung Kui Kau Lutheran Primary School  
The name of meal: Anhydrous Seafood Pot

2D Wong Pui Ching  
Leung Kui Kau Lutheran Primary School  
The name of meal: Stuffed Hairy Squash with Minced Pork

4C Ng Hai Lam Hailey

TWGHs Ma Kam Chan Memorial Primary School

The name of meal: Baked Potato with Tomato, Chicken and Cheese

4C Ma Ashley

TWGHs Ma Kam Chan Memorial Primary School

The name of meal: Stir-fried Celery with Garlic

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This publication is available on WSD's Water Conservation website