

STEM Workshops and Competition for District Cooling System



A District Cooling System (DCS) is a large-scale centralised air conditioning system, which is a very energy-efficient cooling solution. Through interactive workshops and competition incorporated with STEM education, we not only hope to raise secondary students' understanding of DCS as a green infrastructure, but also provide an opportunity for them to appreciate how DCS could contribute towards the future of carbon neutrality as well as its role in tackling climate change.

Resources Provided for Participants:



Learning platforms and resources
(for first category)
/ STEM development toolkits
including hardware components
for creating a device
(for second category)



Interactive
workshops for
knowledge
enhancement



Tutorials
(for participants
shortlisted to join the competition)



HK\$500 cash allowance
for buying additional hardware
(for each individual/team under second category
shortlisted to join the competition)

FIRST CATEGORY

Theme: Interactive DCS Infographic Design using a Coding and Plotting Platform

Target Participants: Suitable for students without programming background

Grouping: Individual or a group of max. 4 students

Prizes:

Champion HK\$3,000 and trophy
1st runner up HK\$2,000 and trophy
2nd runner up HK\$1,500 and trophy
Creativity Award HK\$1,000 and trophy

SECOND CATEGORY

Theme: A Simple DCS Cooling System Device

Target Participants: Suitable for students with slight programming background

Grouping: Individual or a group of max. 4 students

Prizes:

Champion HK\$3,000 and trophy
1st runner up HK\$2,000 and trophy
2nd runner up HK\$1,500 and trophy
Creativity Award HK\$1,000 and trophy



<https://bit.ly/dcscompetition>

REGISTER



Deadline:
14 Oct 2022

* A Certificate of Participation will be issued to all participants in recognition of their efforts and creativity.



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Environment and Ecology Bureau

EMSD