Education Bureau (EDB) S4-6 Design and Applied Technology –

Learning and Teaching Resources

User Guide

EDB has provided three major learning and teaching resources to support the implementation of the S4-S6 Design and Applied Technology (DAT) curriculum, including:

(1) A set of learning and teaching resources arranged in eight folders (2009) [#]

- Covering curriculum content, theme-based learning, different types of assessment tasks, etc. to facilitate the implementation of the curriculum.

(2) Learning and teaching resources - Simplified Version (2019/2022)

- Providing succinct learning and teaching content to help teachers in catering for students' learning diversity. This set of learning and teaching resources was released in 2019 and edited based on the learning and teaching resources (2009).

- Taking into account the coverage of the learning topics as specified in the "DAT Curriculum and Assessment Guide (S4-6) - Supplementary Notes" (2020), the "Compulsory Part: Strand 2 - Technological Principles" and "Elective Part: Module 3 - Design Implementation and Material Processing" therein were updated in 2022.

(3) Assessment exercises

- Providing more practice questions with an integrative approach to facilitate teachers to promote assessment for learning and to help students further master the learning content. Students would also understand more about the requirements of the questions and points to note when they answer the questions from the marking scheme and answering guide.

Apart from the above resources, EDB has been developing other learning and teaching resources of different themes for teachers' reference continuously.

The primary users of the learning and teaching resources are teachers. The resources aim to provide content knowledge relevant to the topics to enable teachers to have a deeper understanding of the teaching contents when preparing for their lessons. The resources can be used for multiple purposes, such as lesson materials, references for curriculum planning and learning and teaching, and student assignments. Teachers should refer to the "DAT Curriculum

and Assessment Guide (S4-6) (2015)" and its Supplementary Notes (2020) to understand the requirements and arrangements for the learning and teaching of the curriculum.

The content of the resources are by no means exhaustive. Teachers should adopt suitable content from the learning and teaching resources according to students' abilities and needs, and provide appropriate supplementary explanation to enhance students' understanding of the topics. Technology is developing rapidly and some of the information may have been updated by the time teachers use it. Teachers are advised to collect the latest information and provide appropriate real-life examples to enrich, supplement and update the teaching content in a timely manner according to the technological development.

\# "DAT Curriculum and Assessment Guide (S4-6) - Supplementary Notes" (2020) serve to clarify the coverage of the four learning topics as specified in "Compulsory Part: Strand 2 - Technological Principles" and "Elective Part: Module 3 - Design Implementation and Material Processing" of the curriculum for teaching and assessment purposes. It is implemented at Secondary 4 starting from the 2022/23 school year.

Teachers are reminded to make relevant adjustments to the content of the learning and teaching resources of Strand 2 and Module 3.