Design and Applied Technology
(for students studying in S4 in the 2013/14 sy and taking the 2016 HKDSE Exam)

Why do you need to study Design and Applied Technology (DAT)?
In the 21st century, innovative technology has become an integral part of our life. DAT will provide students with the fundamental knowledge and skills in technology and design, equip them with the ability of using technology, cultivate in them the necessary attributes of innovation, realisation and entrepreneurship in order to meet the needs of living and work in a rapidly changing knowledge-based society.

What will you learn from DAT?
DAT calls for the understanding and application of knowledge in a range of technological areas to address particular needs and aspirations. It encourages students to explore and synthesize ideas and put them into practice, and to examine the values and impacts of technology applications.

Are there any changes for the DAT Curriculum and Assessment Guide in 2016 HKDSE?
The curriculum and assessment frameworks in the DAT Curriculum and Assessment Guide (Secondary 4 – 6) remain unchanged. The curriculum structure of the subject is as follows:

Compulsory part:	Elective part:
3 Strands: ➢ Design and Innovation ➢ Technological Principles ➢ Values and Impact	5 Electives: (Choose any 2 optional modules) ➢ Automation ➢ Creative Digital Media ➢ Design Implementation and Material Processing ➢ Electronics[1] ➢ Visualisation and CAD Modeling

How will you be assessed in DAT?
Public examination
The public assessment will consist of a public examination component and a school-based assessment (SBA) component. Public examination Paper 1 (compulsory part) and Paper 2 (Elective part) will carry 30% each of the subject mark.
School-based Assessment
School-based Assessment will carry 40% of the subject mark. Candidates are required to complete a design project in the SBA. A project list will be provided to candidates for selection by the HKEAA.

How can the subject help you prepare for your future?
DAT will help students to study in areas such as design, technology, engineering and creative industry at the tertiary level or will attract them into the design and advanced technology fields.

- **Further Studies:** Courses related to engineering, design, architectural, media/digital graphic communication, etc.
- **Career Development:** Professions / trades related to engineering, design, architectural, industrial management, applied technologies, creative industry, or education, etc.

For further information, please refer to EDB's website "New Academic Structure Web Bulletin" (http://334.edb.hkedcity.net/EN/) or consult your teacher.

[1] In the topic "Micro-controller basics" of Electronics elective module, the following statement will be added in the Explanatory notes to illustrate the depth of requirement for learning "Understand the use of a micro-controller": *Use flowcharts or pseudo codes to illustrate the simple operations executed by micro-controller*