

For primary schools

	Title	Type	Brief description
1	“Learning and Teaching Resource CD for Primary General Studies – Light, Sound, Electricity”	CD	<ul style="list-style-type: none"> Through various learning activities, students are able to explore and learn in an authentic environment, so that they can construct knowledge and skills of science and technology, and at the same time, arouse their curiosity towards the natural and technological world. This resource package is designed according to the “General Studies for Primary Schools Curriculum Guide”, focusing on scientific inquiry learning. During the inquiry process, students are provided with opportunities to develop “science process skills”. The resource package also includes learning activities related to STEM education, aiming at strengthening students’ integrative learning and application skills, and applying their knowledge of STEM education in learning. The content of the resource packages include: lesson designs, worksheets, computer and card games, teacher notes and assessment questions. <p>http://www.edb.gov.hk/en/curriculum-development/kla/general-studies-for-primary/learning-and-teaching_resource_cd_s_t/index.html</p>
2	“Learning and Teaching Resource CD for Primary General Studies – The Living World”	CD	
3	“Learning and Teaching Resource CD for Primary General Studies – Forces and Simple Machines”	CD	
4	“Learning and Teaching Resource CD for Primary General Studies – Solar System Exploration, Materials Science”	CD	
5	“Learning and Teaching Resource CD for Primary General Studies – Our Wonderful Body”	CD	
6	“Learning and Teaching Resource CD for Primary General Studies – Green Living”	CD	
7	“Learning and Teaching Resource CD for Primary General Studies – Water and Air”	CD	

For secondary schools

	Title	Type	Brief description
1	Case Study for Design and Applied Technology (Secondary 4-6) (i) Case 6 - Environmental Technology: Hydrogen-powered Car	Teaching Resource	<ul style="list-style-type: none"> The resource package intends to help teachers adopt The resource package focuses on application of Case Study Approach for learning and teaching of Design and Applied Technology curriculum at senior secondary level. The package contains authentic case studies examples with all supporting materials in local context, including Teacher’s guide , teaching notes, schemes of work, reference materials, reading materials and assessment tasks with suggested answers, etc. <p>Website: http://www.edb.gov.hk/en/curriculum-development/kla/technology-edu/resources/tech-subjects/resources.html</p>
2	Case Study for Technological Subjects (Secondary 1-3) (i) Case 1 - Design Process with Ergonomic (ii) Case 4 - 3G: Green Design, Green Technology and Green Enterprise	Teaching Resource	<ul style="list-style-type: none"> The resource package focuses on application of Case Study Approach for learning and teaching of Technological Subjects at junior secondary level. The package contains authentic case studies examples with all supporting materials in local context, including Teacher’s guide , teaching notes, schemes of work, reference materials, reading materials and assessment tasks with suggested answers, etc. <p>Website: http://www.edb.gov.hk/en/curriculum-development/kla/technology-edu/resources/tech-subjects/resources.html</p>

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	Title	Type	Brief description
3	Courseware on File Organization and Computer Communication (Chinese version only)	Online resource	<ul style="list-style-type: none"> ● Courseware on File Organization and Computer Communication (Chinese version only) ● Including courseware on “File Organization and Operation: Sequential File and Random Access File”, “Computer Communications and Internet Access”, “The Function of Modem in Computer Communication” and “LAN Topologies: Ring, Star and Bus”. <p>Website: http://www.edb.gov.hk/en/curriculum-development/kla/technology-edu/resources/computer-edu/download.html</p>
4	Curriculum Resources for Infusing Ideas about Nature and History of Biology and Scientific Inquiry into the Learning and Teaching of Senior Secondary Biology	Resource Package	<ul style="list-style-type: none"> ● The resource package focuses on how to infuse ideas about nature and history of Biology and Scientific Inquiry into the learning and teaching of the learning and teaching of Biology. The package contains teachers’ notes, learning portfolio, assignment and related learning and teaching materials (e.g. PowerPoint slides, and video clips) on 12 topics, such as “The quest for the first vaccine” and “Uncover the structure of DNA”.
5	Curriculum Resources for Infusing Science-Technology-Society-Environment Connections into the Learning and Teaching of the Senior Secondary Biology Curriculum	Resource Package	<ul style="list-style-type: none"> ● The resource package focuses on how to infuse science-technology-society-environment (STSE) connections into the learning and teaching of Biology. The package contains lesson plans, related learning and teaching materials (e.g. articles, PowerPoint slides, templates of worksheets, pictures and video clips) on four topics, including Human Genome Project, Action Blue Sky, Contraception and Infectious Diseases.

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	Title	Type	Brief description
6	Curriculum Resources for the Learning Element Modules related to Technological Subjects under the enriched TEKLA Curriculum (Secondary 1-3)	Teaching Resource	<ul style="list-style-type: none"> ● The resource package intends to help teachers adopt the related technological subjects learning element modules under the enriched TEKLA Curriculum for students to acquire thorough understanding and mastery of technological understanding, technological capability and technological awareness by using flexible approach. The package complies with project approach and contains design projects, case studies, and technological exploration and simulation experiments. <p>Website: http://www.edb.gov.hk/en/curriculum-development/kla/technology-edu/resources/tech-subjects/resources.html</p>
7	Data Communication – Computer Communications and Internet Access	Online resource	<ul style="list-style-type: none"> ● Data Communication – Computer Communications and Internet Access ● Introduction to data communication and Internet access. <p>Website: http://www.edb.gov.hk/en/curriculum-development/kla/technology-edu/resources/computer-edu/download.html</p>
8	Data Communication – Internet Communications	Online resource	<ul style="list-style-type: none"> ● Data Communication – Internet Communications ● Introduction to Internet communication. <p>Website: http://www.edb.gov.hk/en/curriculum-development/kla/technology-edu/resources/computer-edu/download.html</p>

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	Title	Type	Brief description
9	Education Bureau Web-based Learning Courses	Online course	<ul style="list-style-type: none"> ● The EDB Web-based Learning Courses intends to provide appropriate learning opportunities for the gifted/more able students to excel in their talented areas. The resource contains learning materials (e.g. reading texts, graphics, animations, reference links, exercises, quizzes and an end-of-level test) on 4 topics, including “Astronomy”, “Earth Science”, “Palaeontology” and “Mathematics”. ● Target participants: Primary 4-6 & Secondary 1-3 ● Enrollment through school nomination <p>Website: https://edb.hkedcity.net/hkbpa/learningcourse/en/index.php</p>
10	Food Technology – Good or Bad	Teaching resources	<ul style="list-style-type: none"> ● A learning module with lesson plan, teachers notes and students activities <p>Website: English version http://www.edb.gov.hk/en/curriculum-development/kla/technology-edu/resources/technology-and-living/learningmodules.html Chinese version http://www.edb.gov.hk/tc/curriculum-development/kla/technology-edu/resources/technology-and-living/learningmodules.html</p>

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11	Food Tests	Teaching resources	<ul style="list-style-type: none"> ● Vegetables – water content ● Starch – gelatinization ● Gelatin – gelling ● Fruits and vegetables – enzymatic browning ● Fats and oils – emulsion ● Egg – coagulation <p>Website: English version http://edblog.hkedcity.net/te_tle Chinese version http://edblog.hkedcity.net/te_tl</p>
12	Infusing Process and Thinking Skills into Science Lessons	Resource package	<ul style="list-style-type: none"> ● The resource package focuses on how to infuse science process skills and thinking skills into the learning and teaching of Junior Secondary Science. The package contains learning and teaching materials (e.g. schemes of work, video clips and activity worksheets) on five topics, including “Matter as Particles”, “Space Travel”, “A Healthy Body”, “Materials of the Modern World” and “Light, Colours and Beyond” of the Science (S.1-3) Curriculum. <p>Website: http://minisite.proj.hkedcity.net/edbosp-sci/eng/learning_and_teaching_resources/resources_list.html?search_mode=advance&freetext=seed&digital_format=&resource_type=&selected_curriculum_id=</p>

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13	Investigative Lab	Online resource	<ul style="list-style-type: none"> The resource introduces some small scale investigations (e.g. “Cell Designer”, “Pipet Respirometer”, “Photosynthetic Race”) for the learning, teaching and assessment of Biology, with worksheets and videos for reference. <p>Website: http://edblog.hkedcity.net/nssbio/category/practicalwork/</p>
14	Investigative Study in Chemistry - Exemplars of Learning and Teaching Activities	Booklet and Education TV programme	<ul style="list-style-type: none"> The booklet and education TV programme intended to introduce how to conduct investigative study with the use of some detailed exemplars - “making your own acid-base indicator”, “salt content of snack foods” and “how to make it hot”. <p>Websites: http://cd1.edb.hkedcity.net/cd/science/chemistry/nss/is/nss_is_eng.pdf https://www.hkedcity.net/etv/resource/207401800</p>
15	Investigative Study in New Senior Secondary Science Curriculum- Physics	ETV	<ul style="list-style-type: none"> The programme is intended to introduce how to conduct investigative study with the use of some detailed exemplars. <p>Website: https://www.hkedcity.net/etv/resource/780251301</p>
16	Learning and Teaching Resources for Senior Secondary Biology Curriculum: Problem-based Learning	Resource Package	<ul style="list-style-type: none"> The resource package intends to help teachers plan and adopt problem-based learning in the learning and teaching of biology. The package contains lesson plans, related learning and teaching materials (e.g. articles, templates of worksheets, pictures and video clips) on five topics, including Tetanus, Bean Sprouts, Heat Stroke, Infertility and DNA Fingerprinting.

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17	Making Food Products	Teaching resources	<ul style="list-style-type: none">● A learning module with lesson plan and teachers notes <p>Website: English version http://www.edb.gov.hk/en/curriculum-development/kla/technology-edu/resources/technology-and-living/learningmodules.html Chinese version http://www.edb.gov.hk/tc/curriculum-development/kla/technology-edu/resources/technology-and-living/learningmodules.html</p>
18	Meal Planning	Teaching resources	<ul style="list-style-type: none">● Notes on meal planning for S1 – S3 levels● Suggested learning activities and assessment tasks● Time plan <p>Website: English version http://edblog.hkedcity.net/te_tle Chinese version http://edblog.hkedcity.net/te_tl</p>

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	Title	Type	Brief description
19	Measures of central tendency	ETV	<ul style="list-style-type: none">● The programme uses various daily-life experiences such as the mean cost of a meal, the median of salaries and the mode of shoe sizes to illustrate the calculation of mean, median and mode. It focuses on the understanding and interpretation of statistical information. Pupils are led to explore the effect of the central tendency of a set of the data when adding a common constant to the whole set of data; or multiplying the whole set of data by a common constant. <p>Website: https://www.hkedcity.net/etv/resource/206953851</p>
20	Measures of dispersion	ETV	<ul style="list-style-type: none">● In statistics, the degree of distribution of a set of data is called dispersion. Also, the central tendency is to reflect the location of concentration of the various data in a set of data. Methods to measure dispersion includes: range, inter-quartile range, box-and-whisker diagram and standard deviation. <p>Website: https://www.hkedcity.net/etv/resource/1921378361</p>
21	Multimedia Production – Multimedia Presentation	Online resource	<ul style="list-style-type: none">● Multimedia Production – Multimedia Presentation● About how to produce multimedia presentation. <p>Website: http://www.edb.gov.hk/en/curriculum-development/kla/technology-edu/resources/computer-edu/download.html</p>

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22	Probability	ETV	<ul style="list-style-type: none">● Through the stories of some coincidences in daily life, it is pointed out that a small number is used to represent the very small chance of happening of an event and in mathematics, it is the probability of occurrence of the event. <p>Website: https://www.hkedcity.net/etv/resource/2068602557</p>
23	Probing into nano scale	ETV	<p>The programme is intended to introduce the physical properties of materials in nano scale.</p> <p>Website: https://www.hkedcity.net/etv/resource/143052432</p>
24	Production of Food Products	Teaching resources	<ul style="list-style-type: none">● A learning module with lesson plan and teachers notes and students activities <p>Website: English version http://www.edb.gov.hk/en/curriculum-development/kla/technology-edu/resources/technology-and-living/learningmodules.html Chinese version http://www.edb.gov.hk/tc/curriculum-development/kla/technology-edu/resources/technology-and-living/learningmodules.html</p>

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25	Programming and Programming Languages – Graphics Handling using Pascal	Online resource	<ul style="list-style-type: none">● Programming and Programming Languages – Graphics Handling using Pascal● About how to use Quick Pascal for image design. Website: http://www.edb.gov.hk/en/curriculum-development/kla/technology-edu/resources/computer-edu/download.html
26	Programming and Programming Languages – Structured Query Language (SQL)	Online resource	<ul style="list-style-type: none">● Programming and Programming Languages – Structured Query Language (SQL)● About the use of structured query language, including exercises, Powerpoint file for demonstration. Website: http://www.edb.gov.hk/en/curriculum-development/kla/technology-edu/resources/computer-edu/download.html
27	Programming and Programming Languages – Tracing simple programs in C++, Prolog and SQL	Online resource	<ul style="list-style-type: none">● Programming and Programming Languages – Tracing simple programs in C++, Prolog and SQL● About how to trace programs in C++, Prolog and SQL. Website: http://www.edb.gov.hk/en/curriculum-development/kla/technology-edu/resources/computer-edu/download.html

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	Title	Type	Brief description
28	Programming and Programming Languages – Visual Basic Programming	Online resource	<ul style="list-style-type: none"> ● Programming and Programming Languages – Visual Basic Programming ● About how to use Visual Basic 5.0 for programming. <p>Website: http://www.edb.gov.hk/en/curriculum-development/kla/technology-edu/resources/computer-edu/download.html</p>
29	The Research Journey of Scientists – Accomplishment and Perseverance	Education Television Programme	<ul style="list-style-type: none"> ● A series of video documentaries intends to introduce the significant contributions of some local renowned scientists to the scientific and technological advancement at national and also international levels. <p>Website: http://minisite.proj.hkedcity.net/stds_sci/eng/Video_of_Scientist/index.html</p>
30	Scientific method	ETV	<ul style="list-style-type: none"> ● An introduction to the basic steps of the scientific method and the various modes of its application <p>Website: http://etv.edb.gov.hk/resource_wmv-c.aspx?c=1&id=466</p>
31	Sequel to Probing into nano scale	ETV	<ul style="list-style-type: none"> ● The programme is intended to introduce the recent developments and application of nanotechnology in various areas related to daily life. <p>Website: https://www.hkedcity.net/etv/resource/1044739393</p>

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	Title	Type	Brief description
32	Statistical diagrams and graphs	ETV	<ul style="list-style-type: none">● The programme introduces the use of a scatter diagram for exploring the correlation between two sets of data. In a scatter diagram, when the dots are distributed roughly along an ascending tendency, there is a positive correlation between the two sets of data. On the contrary, when the dots are distributed rough along a descending tendency, there is a negative correlation. However, when the dots scatter irregularly without a pattern, there is no obvious correlation. <p>Website: https://www.hkedcity.net/etv/resource/1921378361</p>
33	Textile Tests	Teaching resources	<ul style="list-style-type: none">● Dimensional stability● Fibre burning● Absorbency test● Abrasion test● Spray test● Stretch test <p>Website: English version http://edblog.hkedcity.net/te_tl_e Chinese version http://edblog.hkedcity.net/te_tl</p>

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	Title	Type	Brief description
34	<p>Theme based learning resource for Design and Applied Technology (Secondary 4-6)</p> <p>(i) Theme 2 – High Speed Rail</p> <p>(ii) Theme 7 – Free Bird</p> <p>(iii) Theme 9 – Sustainable Architecture</p> <p>(iv) Theme 10 – Chinese Space Exploration Programme</p>	Resource Package	<ul style="list-style-type: none"> ● The resource package intends to promote Thematic Learning and Teaching approach for learning and teaching of Design and Applied Technology curriculum. The package contains 10 sets of theme-based learning and teaching resource materials with Investigative and experimental work, ● Individual and group activities, Evaluation of existing products and systems, direct instruction/demonstration, discussion, and assessment tasks with suggested answers, etc. <p>Website: http://www.edb.gov.hk/en/curriculum-development/kla/technology-edu/resources/tech-subjects/resources.html</p>
35	Towards Quality Learning and Teaching - Technology and Living (Food Science and Technology Strand)	Teaching resources	<ul style="list-style-type: none"> ● Chemistry of foods ● Diet and meal planning ● Food preparation technology ● Food hygiene ● Food spoilage and food poisoning ● Food preservation technology ● Food science and technology extended study <p>Website: English version http://edblog.hkedcity.net/te_tl Chinese version http://edblog.hkedcity.net/te_tl</p>