Self-Directed Learning in Science with e-Learning support for Learner Diversity and Smooth Primary-Secondary Transition

1. **Support Service Co-ordinator:** School-based Professional Support Section, Quality Assurance and School-based Support Division, Education Bureau

2. **Support Service Provider:** Centre for Information Technology in Education, Faculty of Education, The University of Hong Kong ([http://www.cite.hku.hk/](http://www.cite.hku.hk/))

3. **Areas of Support**
   To provide support to teachers and schools to implement self-directed learning (SDL) in the Science KLA in the upper primary (P.4-6) General Studies and lower secondary (S1-3) Integrated Science subject in Hong Kong schools. The capacity building support for SDL encompasses three core areas: learning and assessment design and implementation for integrating SDL components in the science KLA, e-Learning support for students’ learning and teachers’ pedagogical design activities for scientific inquiry, and leadership for organizational change and development for pedagogical and assessment innovation. The ultimate, overarching goal is to nurture and develop student’s self-directed learning ability and equip them to become confident and capable life-long learners in the 21st century so as to improve students’ self-efficacy and achieve smooth transition from primary to secondary school education in the science KLA.

4. **Foci of Support**
   - To provide professional support to schools (primary, and secondary schools) for the implementation and facilitation SDL in science KLAs.
   - To facilitate teachers’ integration of SDL into their curriculum
   - To develop a teacher network for collaboration, empowerment and generative growth
   - To equip students with holistic abilities of inquiry and SDL skills.
   - To develop e-learning portal and resources to support SDL for students
   - To foster students’ peer learning and disseminate good practices via SDL awards to students and school team.
   - To build leadership capacity through cluster-based leadership circles

5. **Modes of Support**
   - **On-site support:**
     - Schools visits for planning, mentoring and evaluating progress
     - School based collaborative lesson planning
     - Lesson observation
     - On-site technical support for e-learning portal
     - Workshops for students to use the iLAP platform
Professional development activities:
- Teacher workshops
- Seminars and disseminations
- Sharing sessions
- Regular teacher meetings
- Leadership circle meetings

Consultancy services:
- Curriculum planning and design
- Pedagogical and Assessment issues
- Technical issues

6. **Expectations on Participating Schools**

To make best use of the support services, participating schools need to:
- Support the integration of e-learning and SDL in the Science KLA in the upper primary (P.4-6) General Studies and lower secondary (S1-3) Integrated Science subject
- Support teachers to collaborate with other teachers within the project for collaborative lesson planning and implementation, as well as peer lesson observation and reflection on practice.
- To support school senior management team members such as principals and/or vice principals to participate in the leadership circle activities
- Provide school-based support for teachers and students to use e-Learning in the science KLA
- Participate in evaluation activities of the project.

7. **Points to Note**

- The project builds on a series of successful past project experience such as Learning 2.0 (http://learn20.cite.hku.hk) and Science Information Literacy (http://iltools.cite.hku.hk/).
- The duration of the support service is from September 2014 to August 2017

8. **Project website**

- Further details of the project can be found at the official project website (http://sdls.cite.hku.hk/).

9. **Enquiries**

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