

## INTERDISCIPLINARY KNOWLEDGE EXCHANGE (KE) PROJECT FUND 2016-2018

Faculties	Co-Project Coordinators	Project Title	Summary Description
Architecture Arts	<p>Dr Fung Fai Ng Department of Real Estate and Construction</p> <p>Dr Peter A. Cunich School of Humanities (History)</p>	Keep Alive Beacons on the Sea – Decoding Historic Lighthouses in Hong Kong and Nearby Ports	The project aims to disseminate lighthouse-themed knowledge gained from years of interdisciplinary and cross-territorial research to secondary school teachers and students, lighthouse lovers, public policy makers and practitioners in tourism, and visitors of cultural heritage tours, via a tailored Digital Media Package (DMP) for Liberal Studies, public lectures, KE seminars, study tours and an Online Lighthouse Museum (OLM).
Architecture Arts	<p>Mr Thomas H. K. Tsang Department of Architecture</p> <p>Dr Jose Vicente Neglia School of Humanities (Music)</p>	Sounding Architecture	The project aims to exchange knowledge in the design and production of new musical instruments as inspired by the theory and practice of architectural furniture; then to offer the public a different experience of musical performance and the utilization of objects through workshops, an exhibition and an hour-long performance featuring new musical compositions with new musical instruments.
Arts Medicine	<p>Dr Olga A. Zayts School of English</p> <p>Dr Brian Hon-Yin Chung Department of Pediatrics and Adolescent Medicine</p>	Working together across Arts, Medicine and Education: Enhancing genetic literacy in genetic counselling consultations	The project aims to design a Hong Kong specific genetic literacy assessment instrument for patients/ clients who have been diagnosed with or are at risk of a genetic disorder and who are making a decision about accepting/ declining genetic testing in genetic counselling consultations. Web-based information and education resources for these patients/ clients will be developed along with a training workshop for medical professionals and seminars.
Business and Economics Education	<p>Professor Chen Lin School of Economics and Finance</p> <p>Dr Ming Fai Pang Faculty of Education (Division of Policy, Administration and Social Sciences Education)</p> <p>Dr Zigan Wang School of Economics and Finance</p>	Beyond Money: Positive Impacts of Financial Education on Student Academic Performance	The project aims to arouse the interest of Hong Kong junior secondary students in finance and develop their financial literacy through a well-designed financial education programme, which draws upon the expertise of Faculty of Business and Economics colleagues in finance and of Faculty of Education colleague in curriculum design and pedagogy.

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Dentistry Education	Professor Chun Hung Chu Faculty of Dentistry  Dr Anita M. Y. Wong Faculty of Education (Division of Speech and Hearing Sciences)	Promoting oral health and speech-language development for kindergarten children: An interdisciplinary approach	Early primary tooth loss can affect the speech sound production of children. The project aims to improve children's oral health and identify children at risk for language delay or disorder. Oral examination and fluoride treatment will be provided by dentists, while the speech therapist will screen children at risk for speech-language impairment at schools. Workshops on oral health and ways to facilitate language development will also be provided to kindergarten teachers and parents.
Science Engineering	Dr Vengatesen Thiyagarajan School of Biological Sciences  Professor Tong Zhang Department of Civil Engineering	How growers can find out whether Hong Kong oyster is safe to eat?	A simplified and internationally accepted testing protocol is developed at HKU and optimized to monitor bacterial contamination in seafood. The project aims to transfer this protocol to oyster growers in Hong Kong through the established collaboration with the Agriculture, Fisheries and Conservation Department and oyster growers association for a feasible solution to monitor bacterial contamination in local oyster aquaculture farms and for the food safety of locally produced oysters.
Social Sciences Medicine	Dr Celia Hoi Yan Chan Department of Social Work and Social Administration  Dr Julie Yun Chen Department of Family Medicine and Primary Care	Cultivating Compassion for Adolescents through Meaning-focused Experiential Learning Practices	The project aims to cultivate compassion with positive skillsets and mindsets among adolescents through a series of meaning-focused experiential learning practices include mind-quieting, labyrinth walking and contemplative dialogue. This is to engage adolescents in compassionate communion and connection in human interaction and give them opportunities to envision their life path with altruism. A self-help booklet on compassion will be developed.
Social Sciences Architecture	Dr Denise Tse-Shang Tang Department of Sociology  Ms Vincci W. S. Mak Department of Architecture	Everyday Space and Memory at Wah Fu Estate: Recording and Envisioning the Daily Life of Public Estate Residents in Hong Kong	The project aims to record the daily life of Wah Fu Estate residents and explore how the current use of space can influence the future planning and redevelopment of Wah Fu Estate. There will be an exhibition, a digital archive of the residents' oral history, and a book to raise public awareness on the changing needs of public housing in Hong Kong. A resource kit will also be developed and shared online to serve as a template for similar projects in other public housing estates.
Social Sciences Science	Dr Tommy H. L. Tse Department of Sociology  Dr Benoit S. Guénard School of Biological Sciences	Size does matter: Reflecting our attitudes and knowledge about non-human animals in urban Hong Kong	The project aims to introduce the species diversity of the fauna surrounding humans in urban settings to primary and secondary school students, and to raise the awareness of the status of non-human animals and their rights of co-existence in urban society through workshops and field observations. Animated videos, editorial features and booklets will be developed and distributed through the collaborating animal welfare groups and media organizations.