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# Social Innovation Inventor - Competition for Innovative Design (SII)
# Summary of Year 4 and Introduction of Year 5

# Social Innovation Inventor - Competition

- Entering the 5th year, SII (Social Innovation Inventor) Design Competition continues to inspire the future young leaders to get to know more about some of the pressing issues in the community, and to propose solutions through their creativity and innovation

- This competition has already inspired over 1,400+ young leaders in the past, featured with new design theme each year that reflects the latest pressing concerns in the society, followed up by various proposed solutions that benefit mainly those living under poverty or facing aging problems, and latest the smart city lifestyle

- A collaboration between business sector, technology sector, designer, engineers and architects, as well as social organisations to tackle issues together

# Introduction of SII 2017/18

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## Co-Living & Co-Working Environment

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# Background

■ Hong Kong has the smallest average house sizes in the world

■Hong Kong's shortage of affordable housing is becoming an increasingly pressing issue. Over 30% of the population is currently living in subsidized housing, and the number of people waiting to enroll in the public housing program is growing each day. Increasing rent pressure, inflation, and undesirable living conditions make homelessness the only option for many. Thus co-living might be a better solution to solve these Hong Kong's housing problems

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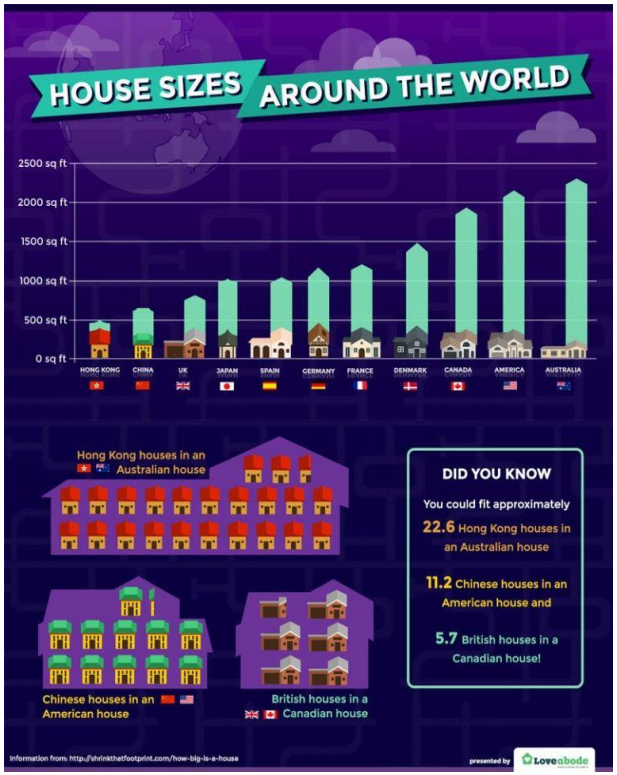
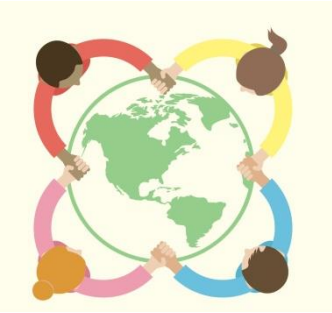



## Situations in Hong Kong

■ 1/3 of Hong Kong's population, over 2 million people, rely on subsidized housing. Almost half of the population in poverty are working poor. Then, although the Housing Authority operates 740,000 flats in 172 Public Rental Housing (PRH) estates, the high demand for affordable housing is not close to being met

■ Living space is becoming smaller and smaller, and currently there is no standard for minimum living space in Hong Kong and there is lack of affordable space for housing

# Focus of youth development and Intangible cultural heritage



- A designated chapter related to the youth development was newly created in the Policy Address 2017, reflecting the particular importance the HKGOV has placed

- ‘Space Sharing Scheme’ aims at creating a platform for the operation of co-working space or studios to support start-ups and the development of culture

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# Trend towards co-living space

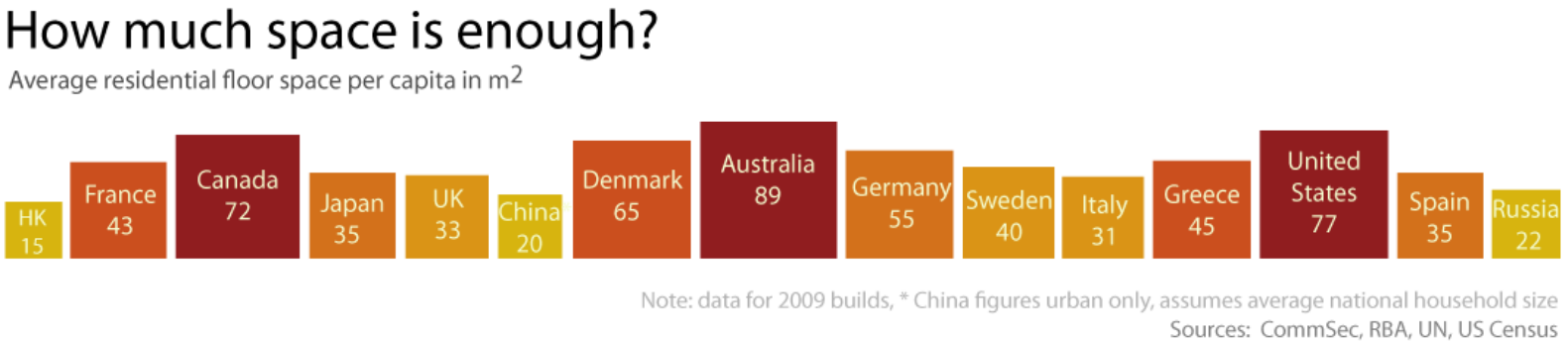
- Sættedammen (Denmark)
- Sættedammen is the world's first cohousing community established in 1960s

- Around 10 families  inhabited in a community and share the duties of child-rearing

- Until now, the concept of cohousing has been evolved to a brand new living style

# Trend towards co-living space

- Growing population and insufficient land supply in Hong Kong result in increasing rent pressure and soaring property price
- Hong Kong is known for having the smallest average house size (~15m$^2$) world wide. To save the cost of living, the majority of families in Hong Kong are living in a tiny apartments and standing the unsatisfactory living environment .
- Co-living may be the panacea for the pressing housing problem by means of sharing the space and facilities.



# Co-living space for youth

- Co-living a way of living focusing on the genuine sense of community, using shared spaces and facilities to create a more convenient and fulfilling lifestyle

- A well-curated co-living space is conducive to facilitate the communication between people – so much so that it entices more of today's young professionals or like-minded people to call it their home.

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# Co-Living Space for Youth

■ Co –living is a way of living focused on a genuine sense of community, using shared spaces and facilities to create a more convenient and fulfilling lifestyle

■ Interior Design:

- Live somewhere that the youth will be excited to call home, with boutique interior design, beautiful shared space and basic facilities for every member
- Build a community of likeminded young people, living, working and playing under one roof. Regular events and amazing shared spaces should be considered
- Enjoy a hassle-free living experience that lets the youth focus on the things that really matter
- Specification & layout will be provided

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# Co-Living and Co-Working Space

■ Environmental Challenges:

• We spend most of our time in office – commercial buildings

• We then spend rest of our time at home – residential buildings

• Buildings accounts for 89% of electricity consumption in Hong Kong

• Building accounts for 60% of carbon emissions in HK

• Green home and office design will save resources

• The design should reduce Carbon Dioxide at sources

• The design should reduce Waste at sources

• Applying environmental measures through green design, coupled with behavioral change are important to protect the environment and planet resources

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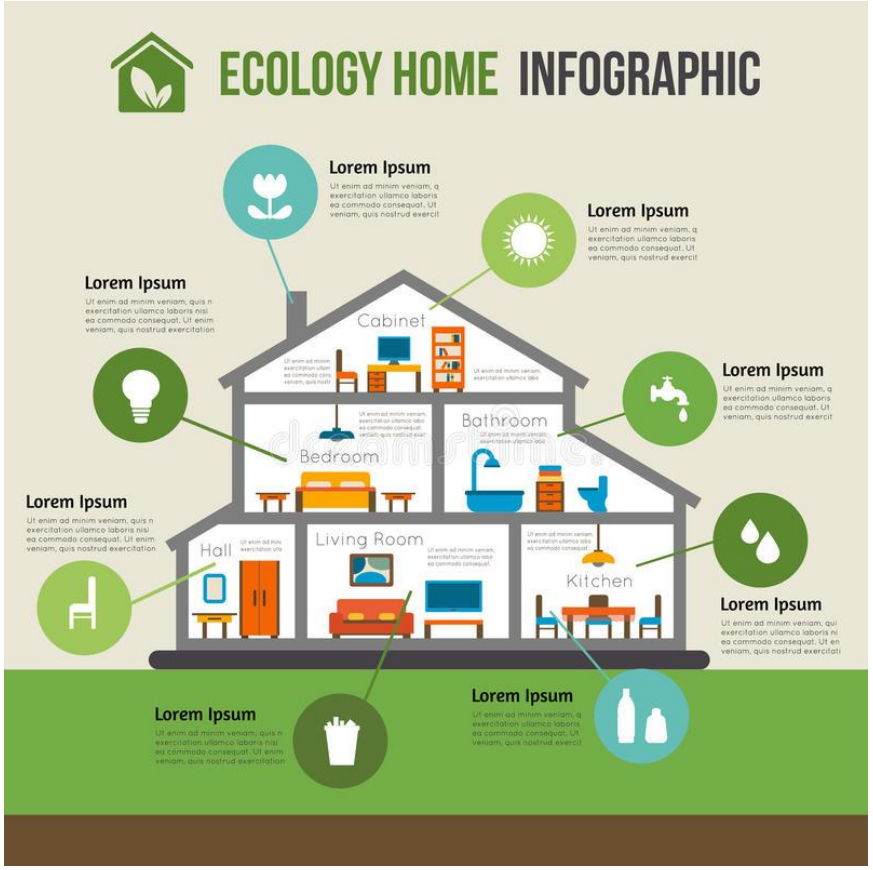
# Co-Living Space for Youth

■ Environmental Objectives:

- To promote Environmental Protection concept and application to youth - secondary and university students through design competition
- To incorporate environmental considerations into the design requirements
- To apply Green design, such as Passive Design to living space and work environment
- To nurture students to become environmental friendly and live a green lifestyle
- To bring green concept and habit back home as well as work place in the future
- Costs concept will be taught to counter-balance environmental benefits and investment, including resources saving and pay-back-period




# Co-Living Space

■ Environmental Considerations:

• Students need to consider the environmental measures, such as, energy saving, water saving, indoor air quality, greening, carbon and waste reduction in their settings, for example:

• Energy: lighting design using LED light

• Energy: Occupancy sensor in kitchen or corridor

• Energy: Air-conditioning and Fan exchange to save energy

• Water: Water saving tab in Kitchen

• Water: Water saving flushing design in Toilet; Re-use of bathing water

• Water: Dehumidifier water reuse

• Waste: Recycling bin in common room

• Greening: Planting to improve the Indoor Air Quality (IAQ)

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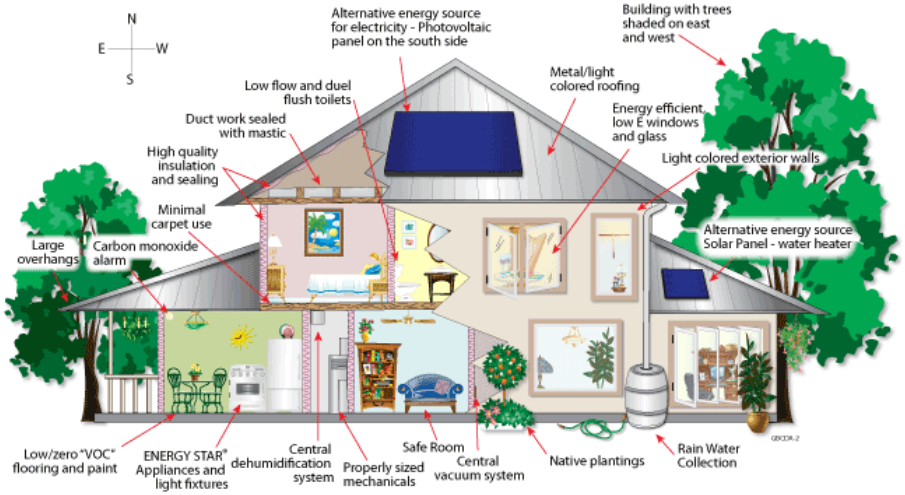
# Environmental Education

- Content in line with liberal school education in Energy and Environment
- Technology application: ICT, Sensor Installation
- Behavioral change: Setting that facilitates environmental friendly habits
- Interior settings that reminds and hints green behaviors
- Education campaign to mobilize youths to become environmental friendly
- Visits will be arranged to Waste Recycle Centres
- Short-listed 20 teams are required to pledge and become Green Ambassador and try best to achieve in lifestyle for energy, water, paper saving and hence prudential use of resources

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## Education

- Exchange between secondary students and tertiary students through study tour
- Champion teams will be sent to Taiwan to visit Taiwan University and exchange experience with local staff and students
- Visits to environmental facilities will be arranged during the reward trip
- Visits to cultural scenery sites to understand the culture and heritage
- Students' sharing after the trip will be arranged to education sector/public (subject to final arrangement and opportunities)

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## Positive Impacts

- To promote Green lifestyle to youths - secondary and university students
- Direct environmental protection training to several hundred of participating students
- Lecture related to Sustainability concept will be delivered
- Related training will be provided by Architect, Engineer, Environmental Experts and Interior Designers
- Encourage students to walk the talk through lifestyle and design to make a contribution to environmental protection
- Students are expected to apply Green knowledge and measures to their design
- Students bring home the green practices


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# Qualifications for Participation

## Secondary School / Yi Jin / Foundation diploma Group

- All students from local secondary schools, Yi Jin and foundation diploma students are welcome to participate
- Each team can consist of 2-3 students
- Team members can come from the same or different schools
- There is no limit on the number of teams from the same school joining the competition
- **The competition is free of charge**

## Tertiary Education Group

- All full-time students from local tertiary education institutions are welcome to participate
- Each team can consist of 2-3 students
- Team members can come from the same or different institutions and faculties
- There is no limit on the number of teams from the same institution joining the competition
- **The competition is free of charge**

# Design Requirements for Tertiary Education Group

- Each floor has an area of about 1,500 sq. ft. and a total of 3 floors of not more than 5,000 sq. ft.
- Construct different facilities, divide rooms and other areas according to the needs
- The total area is a combination of  60% living space and 40% public space
- Each guest has a minimum of 50 sq. ft. of living space

# Design Requirements for Secondary Education Group

- The total working space is about 5,000 sq. ft.
- Construct different facilities, divide rooms and other areas according to the need
- 60% of the space for individual business scope of work while 40% of the space for common working space
- To accommodate at least 6 companies (no less than 5 people per company) at the same time

# Judging Standards

- Creative Concept
- Space usage
- Venue setting
- Energy efficiency & Environmental effectiveness
- Cost effectiveness
- Applicable function
- Feasibility

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# Timeline

| Date | Activity |
|---|---|
| February to Mid-March, 2018 | Registration |
| By Late-March, 2018 | Qualified teams shall receive email from organiser |
| Early April | Briefing session |
| By 13th Apr, 2018 | Submit design proposal |
| End of Apr, 2018 | 1st round of Judging |
| May, 2018 | Training and workshops for finalists |
| By 22th June, 2018 | Finalists submit final design proposal |
| 24 or 30 June, 2018 | Presentation by finalists |
| Early July, 2018 | Award Presentation Ceremony |
| Aug, 2018 onwards | Green Study Tour / Exhibition |

# Contact Us

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Thank You
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