

LEARN WITH  
**LEADERS**



**Shining Star  
International School**

**HOST SCHOOL**

## **Youth Creativity, Innovation and Sustainable Leadership Program**

# **Innovators Toolkit Workshop**

Center for Sustainable Development &  
Global Competitiveness (CSDGC)  
at Stanford University

Hosted by: Shining Star International School, Abu Dhabi





## INNOVATORS TOOLKIT WORKSHOP

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**Developing awareness, action skills and new ideas with an ‘asking questions’ approach to design thinking. Enabling learning in a uniquely collaborative, supportive, and mentored manner.**

CSDGC at Stanford University will be conducting an Innovators Toolkit Workshop for high school students. This workshop is being organized in collaboration with Learn with Leaders.

We are extending invitations to a select group of students to participate in a workshop that will expose and explore creativity. Program activities will include coaching of core skills through mini-drills and application to a design-thinking project.

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*For middle and high school students the potential to learn is limitless. Connecting young minds with top-notch faculty, well-known thought leaders, and college students globally, Learn with Leaders (LwL) strives to help school students dream bigger - by exploring new interests, developing global networks, and taking their ideas, creativity, and passion to the next level. LwL seeks to empower young learners through round-the-year events and activities: from short-term workshops to mid-term research engagements to long-term conferences.*





## About

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### Shining Star International School, Abu Dhabi

Shining Star International School opened its gates to students in 2014 and is a high performing International School based in Musaffah, Abu Dhabi. Its students receive a sound and holistic education across a wide range of subjects and extra-curricular activities, which helps them to develop and hone a broad range of skills. The emphasis placed on critical thinking and creative expression is the reason why its Shining Stars excel both academically and socially.

SSIS works to inspire the leaders of tomorrow to promote equality in communities and bring about change through social impact. The school empowers every student to discover their hidden potential and equips them with life changing knowledge and skills to help with better decision-making and adaptiveness towards an ever-changing world.

# About the program

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CSDGC at Stanford University will be conducting an Innovators Toolkit Workshop for high school students. This workshop is being organized in collaboration with Learn with Leaders.

The workshop is a series of lectures introducing students to an ‘asking questions’ approach to design thinking, which develops their awareness and action skills. Students will participate in breakout sessions to develop an idea using design thinking.

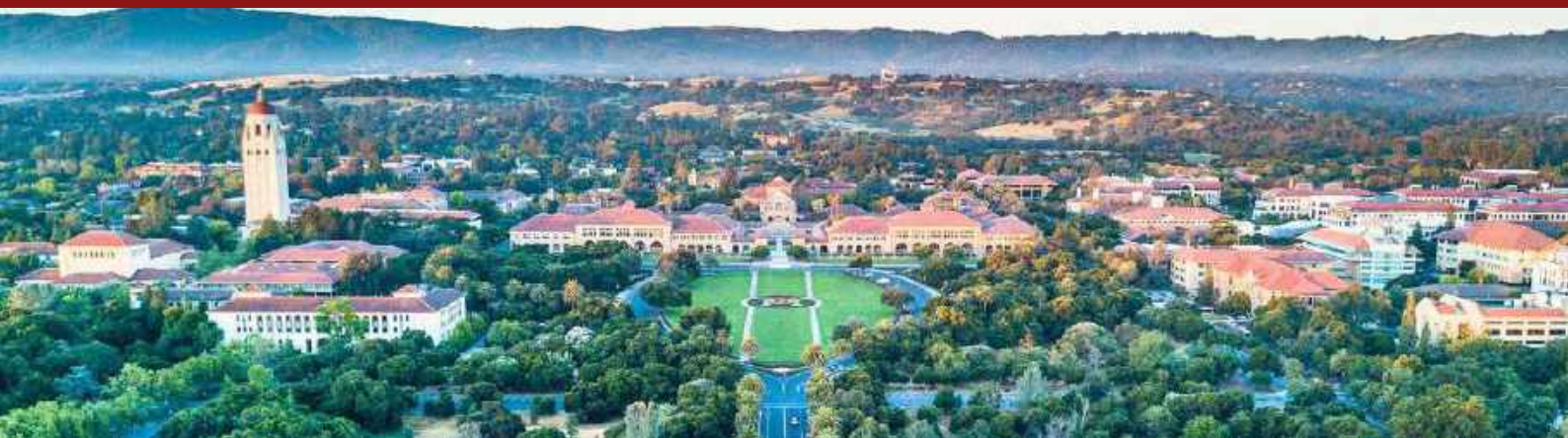
We are extending invitations to a select group of students to participate in a workshop that will expose and explore creativity. Program activities will include coaching of core skills through mini-drills and application to a design-thinking project.

Participants will get a letter of participation after completing the program.

## Who should participate?

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Students from grades 8th to 12th who have diverse interests and curiosity in developing their thinking and creativity in new dimensions should participate in this workshop. Students should share their experiences of using creativity to solve problems and their interest in the subject in the application form.





# Skills in the YCISL Innovators Toolkit Workshop

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Problem-Solving skills



Design Thinking Projects



Divergent-Convergent  
Thinking



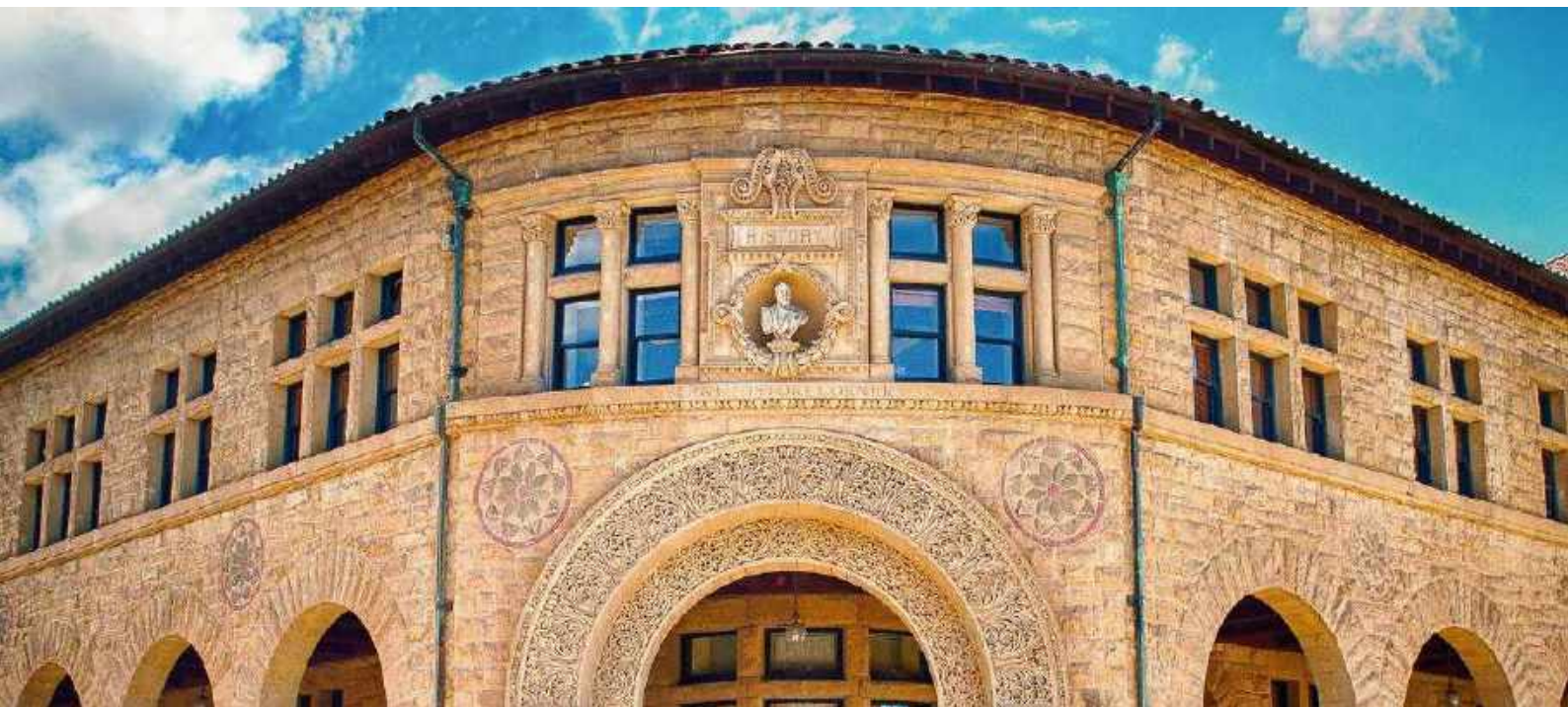
Solution Concept  
Development



Asking Questions



Fast Creative Thinking



PROGRAM DATES

January 21, 22, 28 & 29,  
2021

DURATION

2-Weekends

NO. OF STUDENTS

30

MODE

Videoconferencing

# Trainer Profile

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“Inspiring curious high school students globally by exposing them to different facets of real-world learning.”



## Dr Colin Ong

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Adjunct Professor, Stanford University

Executive Director, Stanford Environmental & Water Studies

Summer Program (SEWSS)

Founder/Director, YCISL Program of CSDGC

Dr Colin Ong is an Adjunct Professor at Stanford University, where he is principally the Executive Director of the Stanford Environmental & Water Studies Summer Program (SEWSS) and Founder/Director of the Youth Creativity, Innovation and Sustainable Leadership (YCISL) Program of the Center for Sustainable Development & Global Competitiveness (CSDGC). He is also the CSDGC Assistant Director.

Dr Ong received his BS degree in Chemistry (1985), MS degree in Water Science (1990), and PhD degree in Agricultural & Environmental Chemistry (1992) from the University of California, Davis. In 1990, he was awarded the Joseph G. Prosser Fellowship by the University of California Water Resources Center with which he conducted field and laboratory research into trace element occlusion by evaporites in hypersaline agricultural evaporation ponds. He came to Stanford in 1992 as a postdoctoral scholar to investigate the adsorption of uranyl ions onto mineral surfaces through laboratory experiments and chemical modeling.

From 2000 to 2002, he was on the Worldwide Support Specialists team in the Customer Relations and Operations group at Handspring, the leading innovator in handheld devices, where he helped develop and sustain the Handspring Visor and Treo product lines. In 2003, he returned to Stanford to lead the in-residence and distance learning components of the Singapore Stanford Partnership (SSP) program as Technical Program Manager, and then Executive Director. Dr Ong has taught graduate courses on Hydrogeochemical Modeling, Environmental Toxicants, and Environmental Informatics in the Stanford EES program.

“We thrive as a kickstarter-type development studio  
blending Stanford-style open enquiry with youth-oriented  
coaching and practices.”

CSDCG YCISL at Stanford University.



# Selection Process

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Interested students need to submit the application.

## Applicant Eligibility

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Seats are limited. The YCISL Innovators Toolkit Workshop is open to students from grades 8th to 12th.

## Application Process

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Students are encouraged to apply as early as possible. Applications are processed on a rolling basis and will be assessed as they get submitted.

**Please Note:** Since we have limited seats, we will be considering selections on a first-cum basis. Once we have selected 30 students, the applications will be closed.



## Program Fees

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The fee for this workshop is USD 550.

# Applicant Qualification

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We are looking for students from all backgrounds and experiences.

Strong writing ability as evidenced in the application that showcases intellectual and academic strength and promise for continued growth and achievement. We are also excited to know about a student's school leadership experiences, active participation in debates, and extracurricular activities that showcase initiative and creativity.

## Venue

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This workshop will be an online activity using video conferencing.



“Dedicated to the things that haven't happened yet and the people who are about to dream them up.”

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A provocative thought at Stanford Graduate School of Business' Gunn Building.



# CSDGC'S programs – the key factors

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CSDGC'S programs acquire their unique characteristics on account of 5 key factors.



Its position within a Stanford University academic department, the Department of Civil & Environmental Engineering, allows it to provide world-class research, teaching, and learning insights.



Its connections with thought leaders and scholars from the Stanford and Silicon Valley communities encourage dialogue that enables sharing of viewpoints and knowledge.



The programs offer intellectual stimulation and inspiration for organic self-discovery of one's potential, purpose, and passion.



The programs have longitudinal goals and lasting lessons in order to support long-term personal development.



The programs are rapidly evolving and, through experimental design of activities, keep the content engaging and purposeful.

## Have a doubt?

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For queries, please reach out to us:

[team@learnwithleaders.com](mailto:team@learnwithleaders.com)

## JANUARY 21

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9:00 AM - 9:30 AM GST

Welcome & Introductions

9:30 AM - 10:30 AM GST

Toolkit Module 1: Asking Questions

10:30 AM - 11:30 AM GST

Toolkit Module 2: Fast Creative Thinking

11:30 AM GST- 12:00 PM GST

Design Thinking Project Studio:  
Interview & First Sketch

## JANUARY 22

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9:00 AM - 10:00 AM GST

Toolkit Module 3:  
Divergent-Convergent Thinking

10:00 AM - 11:00 AM GST

Toolkit Module 4: Filling & Crossing Gaps

11:00 AM GST- 12:00 PM GST

Design Thinking Project Studio:  
Feature Set & User Feedback

## JANUARY 28

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9:00 AM - 10:00 AM GST

Toolkit Module 5: Positivity

10:00 AM - 12:00 PM GST

Design Thinking Project Studio:  
Prototype Poster Design & Concept Reveal

## JANUARY 29

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9:00 AM - 10:00 AM GST

Presentation

10:00 AM - 12:00 PM GST

Review & Closing Remarks

Empowering school students to  
discover new interests, explore  
innovative ideas, and learn more  
about themselves.

## Schedule





## Worldwide Events by CSDGC YCISL at Stanford University

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### 2021

NIFTI Stanford Environmental & Water Studies  
Scholars Program

### 2020

YCISL Innovators Toolkit Workshop

### 2019

Asano Gakuen Visit, Hiroo Gakuen Visit, WUT  
Visit

### 2018

City University of Hong Kong Visit, Asano Gakuen  
Visit, Hiroo Gakuen Visit, HUST Visit

### 2017

Seoul National University Visit, Asano Gakuen  
Visit, Hiroo Gakuen Visit

### 2016

City University of Hong Kong Visit, Asano Gakuen  
Visit, Hiroo Gakuen Visit, Otemae Visit

### 2015

Waseda Juku Visit, Asano Gakuen Visit,  
Ritsumeikan Visit, Izumigaoka Visit, Hiroo Gakuen  
Visit

### 2014

Waseda Juku Visit, Asano Gakuen Visit,  
Ritsumeikan Visit, Hiroo Gakuen Visit

### 2013

Singapore Polytechnic Visit, Ritsumeikan Visit,  
Hiroo Gakuen Visit

### 2012

Singapore Polytechnic Visit

### 2011

Singapore Polytechnic Visit





We are looking for students from all backgrounds and experiences.

# Youth Creativity, Innovation and Sustainable Leadership Program

Powered by  
CSDGC AT STANFORD UNIVERSITY

## Get in Touch



[team@learnwithleaders.com](mailto:team@learnwithleaders.com)

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