

Proposal by Design for Change Singapore

# Learning by Design Packages 2025

Proposal for DesignSingapore  
As part of the Learning by Design initiative

May 2024



# ABOUT DESIGN FOR CHANGE SINGAPORE

## OUR MISSION

Design for Change Singapore exists to empower children and youth to design a more **desirable and sustainable** world by unleashing their **I CAN** spirit.

Design for Change (DFC) is the largest global movement of children and youth running in 70+ countries. **Design for Change Singapore** is the national affiliate of Design for Change Global, ([www.dfcsingapore.com](http://www.dfcsingapore.com))

DFC has been recognized one of the solutions to achieve United Nation's Sustainable Development Goals.



DFC Challenge's Culminating event where children and youth are recognised and celebrated for their work in social innovation

30,000  
CHILDREN

150+  
SCHOOLS

180k  
VOLUNTEER  
HOURS BY  
CHILDREN

## WHY PARTNER WITH US?

- DFC has been curating and executing design thinking with schools for last 15 years.
- Access to global resources & shared knowledge through a global network of DFC partners in 70+ countries.
- DFC has built a pool of 60+ trainers trained in Design Thinking facilitation, social innovation and I CAN mindset
- We extend our students' learning through annual challenge and special projects with the community

DFC has been internationally recognised and won many awards in education and in design.



# OUR OFFERINGS – THE ‘I CAN’ SCHOOL

We believe in a whole-of-school approach to strengthening the voice of our children by systematically bringing a transformation in schools through co-creation, collaboration and communication. Each incremental phase brings you closer to embracing the ‘I CAN’ spirit that values student agency.

## **I CAN CURRICULUM**

ALP, Project Work, CCE, VIA,  
SEL, LEADERSHIP ETC

We work hand-in-hand with the school to customise the curriculum according to the school’s philosophy, desired learning outcomes and real-world applications such as sustainability and inclusive spaces. We blend design into the different school subjects, so it is part of the pedagogy.

## **I CAN EDUHEROES**

PRINCIPALS & TEACHERS  
TRAINING

Our training workshops are engaging and stimulating yet detailed in our lesson plan so teachers can confidently facilitate their students' learning. Our certification programme for principals and teachers brings the school to a new level in preparing them to engage students.

## **I CAN CONSULTANCY**

LEADERSHIP, PROCESS REDESIGN,  
PEDAGOGY

We make change sustainable by partnering with schools to build the I CAN school culture through our I CAN Principals’ programme, consultancy services to apply design to redesign processes, spaces and even parents-engagement.

## **I CAN EMPACTATHON**

PARENTS- TEACHERS & CHILDREN  
ENGAGEMENT

Using a co-design approach, we bring parents, industry, teachers and children together in our trademark Empactathon® programmes that bring multi-generational and inter-disciplinary teams to tackle problems under the sustainable development goals.

# Our Key Team Members



**Madhu Verma, Founder and Director**

Madhu is qualified instructional designer and facilitator in design thinking methodology from University of Virginia and DesignSingapore Council. Under her leadership the team has designed programs for over 150 schools and special projects engaging partners from all sectors. Other key personnel include program designers and managers who curate and manage student experiences. For all program queries reach out to [Leena@dfcsingapore.com](mailto:Leena@dfcsingapore.com) or [Madhu@dfcsingapore.com](mailto:Madhu@dfcsingapore.com)



**Leena Vesonathan  
Program Manager**



**Cecilia Hon  
Partnership and  
Impact Design**

Over the years, DFC Singapore has built a pool of 60+ trainers trained in design thinking facilitation in variety of Innovation programs from VIA, CCE, ALP and trained to build the 21<sup>st</sup> century skills.

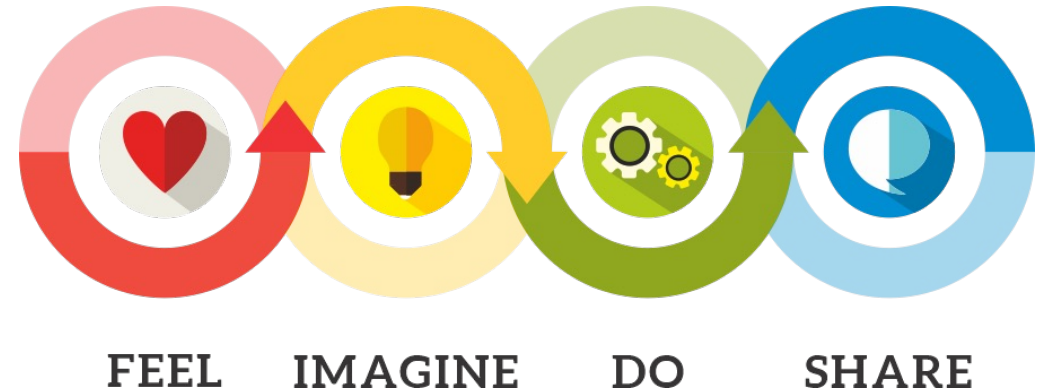




## DFC's design thinking framework

Design for Change's internationally acclaimed design framework Feel-Imagine-Do-Share (FIDS) is simple and versatile to learn and has been adopted in 70+ countries.

It has won the INDEX and Lexus Design awards.



The 'I CAN' mindset wheel encapsulates 16 distinct mindsets, that are developed as they go through the design process; nurturing our students to unleash the 'I CAN' spirit of a change-maker.

# I CAN STUDENT PROGRAMMES (A Series Programs)

Unleash I CAN mindset of a design thinker and a change maker



## Integrating Design-led Process in VIA, CCE, ALP, Project Work

By integrating design-led methods to develop empathy, creative confidence and grit through service learning, VIA, Innovation or Project Work programs, our aim is not only design thinking application but also empower them to be active, engaged citizens in their communities and beyond. DFC curates over 100+ programs that are customised for the schools.

PHOTO: Students engaging with the beneficiaries with games they created for for mental wellbeing

## Real-World Learning

We work with the school to customise the curriculum according to the school's philosophy, desired learning outcomes and real-world applications such as sustainability, STEM focused, specific community focused, inclusive spaces etc. Our students have engaged with real users in the community and also worked on projects with corporates.

PHOTO: Catholic JC Students engaging with the food stall to understand their challenges



## Co-designing with Educators

Co-designing with teachers and committee members enhances their efficacy in creating student-centric programs and strengthens their ability to use methods and tools of design thinking. We have 15 years of experience in co-designing and co-curating programs with educators in Primary, Secondary and JC levels.

Similar Projects completed recently: AiTong's iDare Program, St Theresa Convent Innovation on Inclusivity, Catholic JC's Project Work 2024 to name a few.

# I CAN STUDENT PROGRAMME

## **A1 Basic Design Thinking for Innovation**

Basic with review of existing program

8-hour module for 50- 120 students

Facilitation hours: 16 to 24 hours of facilitation

Ideal for schools for implementing a smaller scale program

CCE / VIA / Service Learning / Clubs / Design Thinking with school community or partners

Pri/ Sec /JC / Poly

Project Price: \$17,860 nett (NO GST applicable)

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## **A2 Design to Improve Lives/Chosen topic**

Review and build existing program with teachers as co-designers

Cohort-wide program: 12-hour module for 8 classes or for up to 96 hours of facilitation hours (charged on actuals)

Schools for implementing cohort-wide program with school's preferred topic and subjects that can be incorporated (like STEM, AI app usage, Digital literacy, e21st Century Competencies etc)

Pri/ Sec /JC / Poly

Project Price: \$33,290 nett (NO GST applicable)

**A3 Nurturing Change Makers by Design with Real-world Learning:** an Advance Design Thinking for Innovation co-designed with educators

New Programme Design co-designed with the teachers. Upto 15-hour module

Cohort wide upto 150 Facilitation hours (based on actuals)

Schools to design their signature program with learning outcomes and integrated subjects like STEM etc.

Pri/ Sec /JC /Poly

Project Price: \$42,800 nett (NO GST applicable)

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## **A4 Project Work Enhanced with human-centric design and real-world learning & Impact**

Re-Design a real-world learning experience for Poly or Junior College level Students to enable them to make impact through their Project Work or Community Project

Co-curating the entire learners' journey through the PW paper to apply user-centric design, real-world learning and impact. Working alongside PW teachers. Engagement of community partners at user research, testing and implementation.

JC / Poly and can be customised for Upper Secondary level.

Project Price: \$54,100 nett (NO GST applicable)



# Title: A1 Basic Design Thinking for Innovation Programme

## Program Description

To unleash the I CAN mindset in students of a change-maker and make an impact in the real-world.

The programme is designed to enable the student to apply human-centric design concepts and mindset to design and test solutions and practice empathy, collaboration, critical thinking and build creative courage.

Can be carried out in school or in the community.

## Objectives and Learning Outcomes

- Refine existing DFC 's student program to integrate learning outcomes chosen by the school
- Enable the teachers to co-facilitate the program in the subsequent years
- Student programme designed to empower students to apply design thinking mindset and skills in their IPW / VIA / Club / CCE Programme and practice 21<sup>st</sup> Centaury Competencies and building empathy, creative confidence.

## Target Audience

Any school that may be using DT or embarking on programs that use Design Thinking in student programmes

## School Level

Tier 1 or Tier 2 level program designed for cohort or student leaders or clubs.

Primary, Secondary or JC Level

PACKAGE PRICE		Project Cost: \$17,680    Nett NO GST applicable	
No .	Description of Services	Specification	Cost and Remarks
1.	<b>Design Consultancy and Program Design</b>  Identification of School Needs and adaptation into programme	1 hour intent meeting with school leadership; 2 hour need analysis workshop; upto 10-hour lesson plan outline overview as integration.	1 lot  5,200
2.	<b>Production of materials</b>	Workshop materials printing of student team workbook (1 for team of 5)	1 lot  \$500
3.	<b>Project Management</b>	Coordination required through the project with school, all other stakeholders and partners including audit requirements  Trainer Management cost	1 lot  \$600
4.	<b>Facilitation of workshop</b>	Trainers for upto 120 students each for 2 groups (min 50 pax) 8-hour module  3-hour Teacher Training: Facilitation and preparation for upto 12 teachers	\$2880  \$3000  Charged on actuals
5	<b>Specific for Dsg Grant Requirement for the grant execution</b>	1. Project Reporting - \$2000 2. Audit report - \$3500	1 Lot \$5,500



## Title: A2 Design to Improve Lives

Design Thinking as Applied Learning Programme or Service-Learning using user-centric design

### Program Description

To unleash the I CAN mindset in students of a change-maker or problem solver and make an impact in the life of people through Product / Process / Service / Space design .

The program is designed to enable the student to apply human-centric design by practicing empathy, collaboration, critical thinking and build creative courage.

A Cohort wide Design Thinking for Innovation programme.

### Objectives and Learning Outcomes

- Customise and co-design existing DT program to integrate learning outcomes or specific topics or subjects by the school (like STEM, Sustainability, digital literacy or a specific topic)
- Enable the teachers to co-create program with design thinking methodologies and prepare them to facilitate the program in the subsequent years
- Student programme designed to empower students to apply design thinking mindset and skills integrated into a specific subject / topic and develop **Enhanced 21<sup>st</sup> Centaury** Competencies and school values.

### Target Audience

Teachers and Stdents: Any school that may be using DT or embarking on programs that use Design Thinking in student programmes

### School Level

Tier 1 or Tier 2 level program designed for cohort or students in a special selected groups  
Primary, Secondary or JC Level

PACKAGE PRICE		Project Cost: 33,290 Nett NO GST applicable	
No	Description of Services	Specification	Cost and Remarks
1.	<b>Design Consultancy</b>  Identification of School Needs and adaptation into programme	Upto 8 man-hours of consulting time that includes needs analysis, research, co-design mapping, briefing for teachers, evaluation/ iteration session (post student programme)	1 lot  2,000
2.	<b>Program Design</b>  Integration into existing programme	Curriculum development of upto 12-hour module 2 man-days in adapting existing to the school learning outcomes  Design program materials	1 lot  12,000
3.	<b>Production of materials</b>	Workshop materials and team workbooks	1 lot  \$650
4.	<b>Project Management</b>	Coordination required through the project  Trainer Management cost <i>Does not include learning journeys or transportation</i>	1 lot  \$1,500
5.	<b>Facilitation of workshop</b>	Trainers for upto 8 classes x 12 hours module (96 facilitation hours can be split as required)  4-hour Teacher Training: Facilitation and preparation for upto 12 teacher	\$8,640  \$3000
6.	<b>Specific for Dsg Grant Requirement for the grant execution</b>	1. Project Reporting - \$2000 2. Audit report - \$3500	1 Lot \$5,500

# Title: A3 Nurturing Change Makers by Design - Advance Design Thinking for Innovation

## Program Description

New Programme Design co-designed with the teachers to build their efficacy in Design Education and enable the students to apply design thinking and user-centric design make the world more desirable and / or Sustainable by design.  
 School may choose a suitable topic and specific subjects to integrate with the programme like STEM / Sustainability/ Digital / Specific Community focus etc.

## Objectives and Learning Outcomes

- Co-design a new program for the school using designed methods and design thinking mindsets
- Build efficacy of the teacher to design and facilitate design-led program with expected learning outcomes
- Student programme designed to empower students to apply design thinking mindset and application in specific topic chosen by the school. Build empathy, creative confidence, work collaboratively and communicate their work confidently.

## Target Audience

Any school that may be using DT or embarking on programmes that use Design Thinking in student programmes

## School Level

Cohort-wide program designed to be run annually for specific levels and progressively  
 Primary, Secondary or JC Level

PACKAGE PRICE		Project Cost: \$42,800 Nett NO GST applicable	
No .	Description of Services	Specification	Cost and Remarks
1.	<b>Design Consultancy</b>  Identification of School Needs and adaptation into programme	Upto 10 man-hours of consulting time that includes needs analysis, research, co-design mapping, briefing for teachers, evaluation/ iteration session (post student programme)	1 lot  2,500
	<b>Program Design</b>  Integration into existing programme	Design New DT Curriculum Materials upto 15-hour module includes lesson plans, slides, videos, workbook etc.	1 lot  16,000
2.	<b>Production of materials</b>	Workshop materials and student team workbooks	1 lot  \$1,000
3.	<b>Project Management</b>	Coordination required through the project with school, all other stakeholders and partners Trainer Management cost <i>Does not include learning journeys or transportation</i>	1 lot  \$1,500
4.	<b>Facilitation of workshop</b>	Trainers for upto 10 classes x 15 hours module (150 facilitation hours can be split as required)  4-hour Teacher Training: Facilitation and preparation for upto 12 teacher	\$13,500  \$2,800 Charged on actuals
5	<b>Specific for Dsg Grant Requirement for the grant execution</b>	1. Project Reporting - \$2000 2. Audit report - \$3500	1 Lot \$5,500

**Title: A4 Project Work Enhanced with human-centric design** for real-world learning and Impact

## Program Description

Design a Real-world learning experience for Poly or Junior College Students to enable them to make impact through their Project Work / Community Project

Enable the institution to enhance their Project Work with application of design thinking and engage with the community partners. Empower teachers to customize their programs and facilitate to build youth empowerment.

## Objectives and Learning Outcomes

- Co-design a new or re-design Project Work program for the students to apply design-led methods and design thinking mindsets and methods
- Build efficacy of the teacher to design and facilitate program based on design thinking methodology with expected learning outcomes
- Student programme designed to empower students to apply design thinking mindset and skills in specific areas chosen by the school and practice Enhanced 21<sup>st</sup> Centaury Competencies

## Target Audience

Upper Secondary, Polytechnic or Junior college looking to redesign the students' journey through Project Work with Design. Engagement with Educators, PW team and Students

## School Level

Junior College / Polytechnic / Upper Secondary

PACKAGE PRICE		Project Cost: \$54,100    Nett NO GST applicable	
No .	Description of Services	Specification	Cost and Remarks
1.	<b>Design Consultancy</b>  Curate the Learner's Journey for PW paper	Upto 10 man-hours of consulting time that includes needs analysis, research, co-design mapping, briefing for teachers, evaluation/ iteration session (post student programme)	1 lot  2,500
	<b>Program Design</b>  Integration into existing programme	Co-Curate the Project Work Journey for students Design 8 seminar Sessions for main PW sessions Engagement with community partners and industry experts.	1 lot  20,000
2.	<b>Production of materials</b>	Workshop materials and student team workbooks (approx. 150 teams)	On actuals  \$1.800
3.	<b>Project Management</b>	Service-Learning Fair with community partners Learning Journeys for 150 students and Expert Talks  Coordination of student sessions, Partner Engagements, and Trainer Management	\$3,000  \$3,000 (1 lot)
4.	<b>Facilitation of workshop</b>	Trainers for upto 5 seminars x 2 hours each (3 trainer with 20 teams) Facilitation for industry guest sessions (optional)  4-hours teacher session + 4 mentoring sessions + preparation (total 10 Facilitation hours + preparation) for upto 20 teachers	\$12,000  \$1,800 (optional)  \$4,500 Charged on actuals
5	<b>Specific for Dsg Grant Requirement for the grant execution</b>	1. Project Reporting - \$2000 2. Audit report - \$3500	1 Lot \$5,500

# OVERVIEW OF I CAN SCHOOL with DESIGN APPROACH

Our I CAN SCHOOL approach is designed to adopt user-centric design in schools, fostering a child-centric environment that promotes enhanced learning experiences, improved processes or identified opportunity in the school. This may include and not limited to curriculum, pedagogical practices, processes, relationships, spaces. We may involve relevant stakeholder at various levels to research, plan, co-design, iterate based on the context so the solutions are user-centric, relevant and have buy-ins of parties involved.

## NEEDS ANALYSIS

The first phase of the engagement begins with a needs analysis of the programme's current state and the strategic intent of the project with the school's vision.



01

## RESEARCH

We adopt a human-centred lens to understand the needs and pain points of the stakeholders in their current scenarios



04

## PLANNING SESSION

Through a co-creation model, we work with the school's stakeholders to understand and discuss the engagements and development



05

06

## ENGAGEMENT SESSIONS

Our engagement sessions are customized to the required outcome of the project.

03



## EVALUATION and REPORT

Develop a Blueprint Report based the findings and engagement sessions.



## PRESENTATION

Presentation of the report and iteration as needed.





# SCHOOL IMPROVEMENT PROGRAMME



**B1 I CAN School Approach:** Building a child-centric school with better systems and relationships

First level of school improvement project that empowers teachers to be design thinker and school beginning to adopt an innovative and user-centric culture building a happier and higher engagement school for all stakeholders.

Ideal for schools for embarking a wider school approach in innovation

All types of school

Project Price: \$29,250 (no GST applicable)

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**B2 I CAN School :** Building a child-centric school for user-centric design approach in systems and relationships **Advanced Level of School Improvement Project**

Advanced or wider level of school improvement project that empowers teachers to be design thinker and school to continue to build an innovative and user-centric culture building a happier and higher engagement school for all stakeholders.

Ideal for schools may have applied design at pedagogical level (but not necessary) and school leaders excited about design and its application for a wider school approach in innovation

All types of school

Project Price: \$42,750

**B3 New Space or System Design for School Improvement**

Co-design space experience for school aligned with school's objective e.g. makers' space, redesign staffroom for collaboration, Sustainable School Canteen, improving Stakeholder Relationships etc..

Ideal for schools engaging an agency to design experience a space or a system to improve stakeholder experience.

All types of school

Project Price: \$37,700

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**B4 I CAN School with Overseas Engagement :** Building a child-centric school for user-centric design approach in systems and relationships **Advanced Level of School Improvement Project**

Learn, Apply and engage with a school with 20 years' experience and processed awarded as the World's Best School in Innovation in 2023.

Ideal for schools may have applied design at pedagogical level (but not necessary) and school leaders excited about design and its application for a wider school approach in school processes and systems. Want to witness the processes at a design-led model school.

All types of school

Project Price: 42,750

# Title: B1 I CAN Whole School Approach for School Improvement

## Program Description

School Improvement Project co-designed with teachers and School Leaders.

## Objectives and Learning Outcomes

- Co-design School Improvement using designed principals and mindsets to build school's ability to apply design at an organizational and system's approach.
- Enable teachers to apply design principles to school environment with a user-centric approach
- Build the mindset and skills of a design thinker so it is adopted as a school culture

## Target Audience

Any school driven to build a culture of innovation and user-centric environment to build better school at user and systems level.

## School Level

All levels

PACKAGE PRICE		Project Cost:\$ 29,250    Nett NO GST applicable	
N o.	Description of Services	Specification	Cost and Remarks
1	<b>Design Consultancy</b>  Needs Analysis/ intent planning, research and review	PHASE 1: Needs Analysis/ intent planning, research and planning engagement session  PHASE 2: Planning Session on engagement session and post Engagement Evaluation  Phase 3: Report and presentation session (2 consultants required for some part of the items)	\$11,500  upto 5 days (Days may be reduced based on project requirement)
2.	<b>Program Design</b>  Integration into existing programme	PHASE 2: Design for engagement session Design program materials	1 lot  7,000
3.	<b>Production of materials</b>	Workshop materials printing of student team workbook (1 for team of 5)	\$500 On actuals
4.	<b>Facilitation of workshop</b>	PHASE 1: School's Process / Improvement Workshop 3 hours  PHASE 2: upto 4 x 2-hour Engagement Sessions (2 trainers)	\$750  \$4,000  On actuals
6.	<b>Requirement for the grant execution</b>	1. Project Reporting - \$2000 2. Audit report - \$3500	1 Lot \$5,500

# Title: B2 I CAN School : Advanced Level of School Improvement Project

## Program Description

Building a happier school for user-centric design approach in systems and relationships **Advanced Level of School Improvement Project**  
Advanced or wider level of school improvement project that empowers teachers to be design thinker and school to continue to build an innovative and user-centric culture building a happier and higher engagement school for all stakeholders.

## Objectives and Learning Outcomes

- Co-design School Improvement using design-led principals and mindsets to build school's ability to apply design at an organizational and system's approach.
- Enable teachers to apply design principles to school environment with a user-centric approach
- Build the mindset and skills of a design thinker so it is adopted as a school culture

## Target Audience

Any school that may be using DT or embarking on programmes that use Design Thinking in student programmes

## School Level

Primary, Secondary or JC Level

PACKAGE PRICE		Project Cost:\$ 42,750    Nett NO GST applicable	
N o.	Description of Services	Specification	Cost and Remarks
1	<b>Design Consultancy</b>  Needs Analysis/ intent planning, research and review	PHASE 1: Needs Analysis/ intent planning, research and planning engagement session  PHASE 2: Planning Session on engagement session and post Engagement Evaluation  Phase 3: Report and presentation session (2 consultants required for some part of the items)	\$19,000  upto 8 days (Days may be reduced based on project requirement)
2.	<b>Program Design</b>	PHASE 2: Design for engagement session Design program materials	1 lot  6,000
3.	<b>Production of materials</b>	Workshop materials printing	\$500 On actuals
4.	<b>Facilitation of workshop</b>	PHASE 1: School's Process / Improvement Workshop 3 hours  PHASE 2: upto 4 x 4-hour Engagement Sessions (2 trainers)	\$1,350  \$10,400  Based on actual facilitation hours
6.	<b>Requirement for the grant execution</b>	1. Project Reporting - \$2000 2. Audit report - \$3500	1 Lot \$5,500

# Title: B3 New Space or System Design for School Improvement

## Program Description

Co-design space for school aligned with school’s objective  
e.g. makers’ space, redesign staffroom for collaboration, Sustainable School Canteen, improving Stakeholder Relationships etc..

## Objectives and Learning Outcomes

- Co-design School Improvement using design-led principals and mindsets to design a blueprint of the experience through the space or system
- Enable teachers to apply design principles to creating the desired experience with a user-centric approach
- Engagement sessions enables application of design in real world scenario.

## Target Audience

Any school looking to re-design a space or a system to get the desired experience.

## School Level

Primary, Secondary or JC Level

PACKAGE PRICE		Project Cost:\$ 37,700    Nett NO GST applicable	
N o.	Description of Services	Specification	Cost and Remarks
1	<b>Design Consultancy</b>  Needs Analysis/ intent planning, research and review	PHASE 1: Needs Analysis/ intent planning, research and planning engagement session  PHASE 2: Design first draft and presentation  Phase 3: Iteration and prepare final design	\$9,000  upto 5 days (Days may be reduced based on project requirement)
2.	<b>Program Design</b>  Integration into existing programme	Blueprint Design	1 lot  21,000
3.	<b>Production of materials</b>	Materials for engagement sessions	\$200 On actuals
4.	<b>Facilitation of workshop</b>	PHASE 1: Engagement and Iteration Workshop	\$2,000  On actuals
6.	<b>Requirement for the grant execution</b>	1. Project Reporting - \$2000 2. Audit report - \$3500	1 Lot \$5,500



## Title: B4 I CAN School Culture: with overseas engagement

### Program Description

Building a happier school using user-centric design approach in systems and relationships

### Objectives and Learning Outcomes

- Co-design School Improvement using design-led principals and mindsets to build school's ability to apply design at an organizational and system's approach.
- Enable teachers to apply design principles to school environment with a user-centric approach
- Build the mindset and skills of a design thinker so it is adopted as a school culture
- Observe and learn from an overseas award winning school with student-centric and design-led processes

### Target Audience

Any school that may be using DT or embarking on programmes that use Design Thinking in student programmes

### School Level

Tier 1 or Tier 2 level program designed for cohort or students in a special selected groups

Primary, Secondary or JC Level

PACKAGE PRICE		Project Cost:\$ 42,750    Nett NO GST applicable	
N o.	Description of Services	Specification	Cost and Remarks
1	<b>Design Consultancy</b>  Needs Analysis/ intent planning, research and review	PHASE 1: Needs Analysis/ intent planning, research and planning engagement session  PHASE 2: Planning Session on engagement session and post Engagement Evaluation  Phase 3: Report and presentation session (2 consultants required for some part of the items)	\$15,000  upto 6 days (Days may be reduced based on project requirement)
2.	<b>Program Design</b>	PHASE 2: Design for engagement session Design program materials	1 lot  5,000
3.	<b>Production of materials</b>	Workshop materials printing	\$500 On actuals
4.	<b>Facilitation of workshop</b>	PHASE 1: School's Process / Improvement Workshop 3 hours  PHASE 2: upto 4 x 4-hour Engagement Sessions (2 trainers)  Overseas Observation and Learning trip to Riverside School in Ahmedabad (India) <a href="https://schoolriverside.com/">https://schoolriverside.com/</a> (5 teachers for upto 3 days)	\$750  \$8,000  On actuals  \$8,000 (approx. charged on actuals)
6.	<b>Requirement for the grant execution</b>	1. Project Reporting - \$2000 2. Audit report - \$3500	1 Lot \$5,500

# BUILDING TEACHERS' EFFICACY



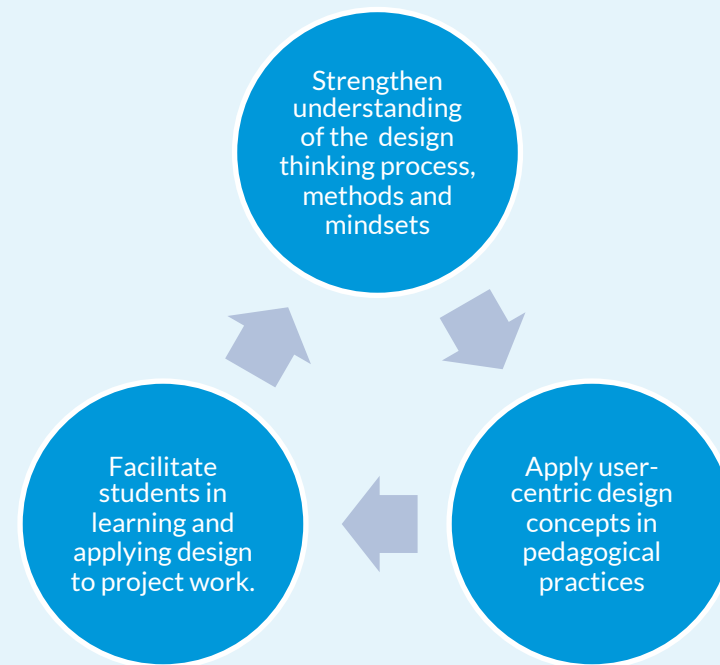
To increase the confidence of teachers to conduct the design thinking curriculum, we aim to build a common language and understanding of design thinking for the teachers through a design experiential training.

***The overall learning objectives are three folds:***

- To equip teachers with the design thinking process, methods and tools that will help them in understanding the concepts and application to the students
- To enable teachers with the facilitation training required to engage children in design workshops that will prepare them for the IPW / PW /ALP / VIA or related design curriculum.
- Inspire the teachers to adopt the methods and mindsets to user-centric pedagogical practices

DFC Singapore has worked closely with educators and school leaders to understand their needs and gaps in adopting design-led processes in students' programmes and applying it in education innovation. In addition, the affiliation with Riverside School India, awarded the World's Best School in Innovation; and its Learning Centre; DFC Singapore team is equipped to enable schools in Singapore to integrate Design-led processes in education innovation.

## LEARNING LOOP FOR TEACHERS



# BUILDING EDUCATORS' CAPACITY



## C1 Basic Design Thinking for Educators

Building the school's capacity to apply Design Thinking for students' program. Ideal for schools embarking on Design Thinking formally for the first time.

8-hour module for upto 20 teachers and 3 hours program for all 120 teachers OR 8-hour module for 50 teachers (requirement of the grant)

Ideal for schools for applying design thinking in student programs. These can be applied for CCE / VIA / Service Learning / Design Thinking Pri/ Sec /JC / Poly

Project Price: \$16,300

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## C2 I CAN Facilitate for EduHeroes

Empowering the Core Committee to enhance their facilitation abilities, while also equipping other educators to integrate these skills into student programs or pedagogical practices

Upto 16-hour module for upto 25 teachers and 3 hours program for all 120 teachers OR 12-hour module for 50 teachers (requirement of the grant)

Schools for implementing cohort-wide program with school's preferred topic and subjects that can be incorporated (like STEM, AI app usage, Digital literacy, e21st Century Competencies etc)

Pri/ Sec /JC / Poly

Project Price: \$21,900

**C3 I CAN Design:** Building Teachers' efficacy by application of user centric design in school for innovation in education and school processes.

Building the school's capacity to apply Design Thinking for pedagogical practices, processes and systems. Teachers learning to improve their work experiences through design; can also be applied for integrating in subjects.

Combination of teacher training and mentoring sessions as their embark on their own projects. Applied in Yumin Primary and Ai Tong School

Pri/ Sec /JC / Poly

Project Price: \$16,050

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## C4 Education by Design with Overseas Trip:

Building Teachers' efficacy by application of user centric design in school

Building the school's capacity to apply Design Thinking for processes and systems. Team of 5 teachers visit Riverside School – winner of the World's Best School in Innovation (2023 by T4)

These can be applied for subjects, process, systems etc. Experience the overseas engagement with school that has been designed based on Design principles since 2001.

Pri/ Sec /JC / Poly

Project Price: 42,750

# Title: C1 Basic Design Thinking for Educators

## Program Description

Basic Design Thinking for Educators to build school's capacity to adopt Design Thinking and enable teachers to apply design-led approach in school for student programs

## Objectives and Learning Outcomes

- Core teachers' committee to understand and apply the concepts of Design Thinking. They practice facilitation for the student's program.
- Tier 1 group of teachers go through a shorter program to practice basic facilitation skills in design thinking
- The program enables the teachers to in schools to adopt design thinking methodology in student program.

## Target Audience

School Leaders, Senior teachers, Teacher's part of Special Project Committees coordinating, designing and / or facilitating student program.  
For 101 Design Thinking: All school teachers and support staff

## School Level

Primary, Secondary or JC Level

PACKAGE PRICE		Project Cost: 12,600    Nett NO GST applicable	
No .	Description of Services	Specification	Cost and Remarks
1.	<b>Design Consultancy and Program Design</b>  Identification of School Needs and adaptation into programme	Upto 3 man-hours of consulting time that includes needs analysis, co-design mapping, briefing for teachers, evaluation/ iteration session (post student programme)	1 lot  900
2.	<b>Program Design</b>	Program development and preparation in low level adoption to existing program to the school learning outcomes	1 lot  \$2,400
2.	<b>Production of materials</b>	Workshop materials	1 lot  \$300
4.	<b>Facilitation of workshop</b>	8 hours - I CAN Facilitate Teacher Training program for core committee managing the program.  101 Design Thinking for Educators 3-hours hours upto 120 teachers (optional item)	\$5,000  \$1,500 Charged on actuals
5	<b>Requirement for the grant execution</b>	1. Project Reporting - \$1500 2. Audit report - \$2500	1 Lot \$4,000



## Title: C2 Adoption of Design Thinking Mindsets and Method

### Program Description

Empowering the Committee of teachers driving the adoption of the program in school; to enhance their facilitation abilities (train the trainer), while also equipping other educators to facilitate student programs.

### Objectives and Learning Outcomes

- Tier 2 workshop for the Core committee to understand and apply the concepts of Design Thinking. They practice methods to be apply in students' program and support the Tier 1 teachers in facilitating the students program.
- Tier 1 group of teachers go through a shorter program to practice facilitation skills in design thinking
- The program enables the teachers to in schools to adopt and share a common language of methodology.

### Target Audience

Any school that may be using DT or embarking on programmes that use Design Thinking in student programmes

### School Level

Tier 1 or Tier 2 level program designed for cohort or students in a special selected groups  
Primary, Secondary or JC Level

PACKAGE PRICE		Project Cost: \$19,850    Nett NO GST applicable	
No .	Description of Services	Specification	Cost and Remarks
1.	<b>Design Consultancy</b>  Identification of School Needs and adaptation into programme	Upto 5 man-hours of consulting time that includes needs analysis, research with school leaders and review session	1 lot  1,250
2.	<b>Program Design</b>	Program development and preparation for sessions and adaptation to specific outcomes	1 lot  \$4,000
2.	<b>Production of materials</b>	Workshop materials design and printing	1 lot  \$250
4.	<b>Facilitation of workshop</b>	I CAN Facilitate Teacher Training program 16 hours – split into Workshop and Mentoring sessions to build teachers' efficacy  101 Design Thinking for Educators 3-hours hours upto 120 teachers (optional item)	\$8,000  \$1,500
5	<b>Requirement for the grant execution</b>	1. Project Reporting - \$1500 2. Audit report - \$3500	1 Lot \$5,000

**Title: C3 I CAN Design:** Building Teachers' efficacy by application of user centric design for innovation in school environment

## Program Description

Redesigning student's learning experience for Project Work by integrating design thinking and real-world learning and impact

Equipping the teachers with course materials and facilitation skills

## Objectives and Learning Outcomes

- Co-curate the students' PW learning experience with design thinking methods, community and industry engagements
- Co-design the student sessions for real-world learning, to enable teachers to integrate design thinking in pedagogical practices and achieve the PW program objectives with design
- Teachers are coached to practice design thinking to facilitate the new program
- Design the workshop materials for student program

## Target Audience

Any school that may aim to build a culture of design and Innovation in Education. Prior knowledge and application of DT as a pedagogical practice or otherwise may be advantageous but is not necessary.

## School Level

Primary, Secondary or JC Level

PACKAGE PRICE		Project Cost: 26,750    Nett NO GST applicable	
No.	Description of Services	Specification	Cost and Remarks
1.	<b>Design Consultancy</b>  Identification of School Needs and adaptation into programme	Upto 5 man-hours of consulting time that includes needs analysis, research with school leaders and review between the engagement sessions	1 lot  1,250
2.	<b>Program Design</b>	Design Student Learning experience through PW journey Program development and preparation for 8 seminars and workbook	1 lot  \$12,500
2.	<b>Production of materials</b>	Design Student Workshop materials (no printing)	1 lot  \$1500
4.	<b>Facilitation of workshop</b>	I CAN Facilitate Teacher Training program 2 half days + Preparation	\$6,000 (1 lot)
5	<b>Requirement for the grant execution</b>	1. Project Reporting - \$2000 2. Audit report - \$3500	1 Lot \$5,500

## C4 DESIGN LEADERSHIP PROGRAM: Design Leadership Program to foster a Culture of Innovation and Strengthen Change Management

### Program Description

Design Leadership program for School Leaders and HODs to integrate Design Thinking practice in school.

Building the school's capacity to apply Design Thinking for processes and school systems. Team of teachers engage or visit and witness the processes in a model school Riverside School in India – winner of the World's Best School in Innovation (2023 by T4)

### Objectives and Learning Outcomes

- 1.Enhance Collaborative Design Skills: Equip the ability to collaboratively design and implement innovative educational practices and programs. To co-create student-centric curricula and learning environments that address the specific needs and goals of their schools.
- 2.Foster a Culture of Innovation: Promote a culture of continuous improvement and innovation within the school, leading to a more dynamic and responsive educational environment.
- 3.Strengthen Leadership and Change Management: Develop educators' leadership skills to effectively manage and drive change within the school setting.

### Target Audience

Any school that may be advancing integrating user-centric design and Innovation in Education. School Leaders and Senior Teachers

### School Level

Primary, Secondary or JC Level

PACKAGE PRICE		Project Cost: \$42,750    Nett NO GST applicable	
No .	Description of Services	Specification	Cost and Remarks
1.	<b>Design Consultancy</b>  Identification of School Needs and adaptation into programme	Upto 5 man-hours of consulting time that includes needs analysis, research with school leaders and review between the engagement sessions	1 lot  1.250
2.	<b>Program Design</b>	Design Engagements and Coaching programme Program development and preparation	1 lot  \$4,500
2.	<b>Production of materials</b>	Workshop materials design and printing	1 lot  \$500
4.	<b>Facilitation of workshop and Engagements</b>	Facilitate and Coaching Teachers through a design application process 12 hours of engagement and 10 hours reviewing the work and Riverside Visit learning Centre Fee  101 Design Thinking for Educators 3-hours hours upto 120 teachers (optional item)  Overseas Observation and Learning trip to Riverside School in Ahmedabad (India) <a href="https://schoolriverside.com/">https://schoolriverside.com/</a> (8 teachers for upto 5 days)	\$9,500 (1 lot)  \$1,500 Charged on actuals  \$20,000 (approx. cost, charged on actuals)
5	<b>Requirement for the grant execution</b>	1. Project Reporting - \$2000 2. Audit report - \$3500	1 Lot \$5,500

	Category 1	Category 2	Category 3	Category 4
I CAN Student Programme (A)	<b>A1 Basic Design Thinking for Innovation</b> 8-hour module for upto 120 students Facilitation hours: upto 24 hours of facilitation 3 hours of teacher training Project Price: \$17,860	<b>A2</b> Review and build on existing program with teachers as co-designers 8 hours of consulting + design 12 hour program 12-hour module for upto 8 classes or for up to 96 hours of facilitation hours 4 hours of teacher training Project Price: \$33,290	<b>A3</b> Advance Design Thinking for Innovation co-designed with educators 10 hours of consulting Design 15 hour module Cohort wide upto 150 Facilitation hours Project Price: \$42,800	<b>A4 Project Work Enhanced with human-centric design and real-world learning</b> Upto 10 hours of consulting Program Design of PW journey and 8 sessions 10 hours of Professional Development for PW teachers Upto 80 facilitation hours for students 1 Service-Learning Fair and other industry engagement Project Price: \$54,100 nett
Educator's Programme (C)	<b>C1 Basic Design Thinking for Educators</b> Upto 3 hours of consulting time 8-hour module for upto 20 teachers (tier 2) and 3 hours workshop for all school teachers OR 8-hour module for 50 teachers (requirement of the grant) Pri/ Sec /JC / Poly Project Price: \$16,300	<b>C2 I CAN Facilitate for EduHeroes</b> Upto 5 hours of consulting time including research Upto 16-hours of workshop and mentoring of core team and 3 hours workshop for all 120 teachers OR 12-hour module for 50 teachers (requirement of the grant) Pri/ Sec /JC / Poly Project Price: \$19,850	<b>C3 Learning to design &amp; facilitate PW experience with real-world learning.</b> Consulting hours: upto 5 hours including research and iteration 2 half-days I CAN facilitate workshop for PW teachers Co-design full PW experience, program design for student sessions JC / Poly level for PW Project Price: \$26,750	<b>C4 Education by Design with Overseas Trip</b> Upto 5 hours of consulting time including research Design Program and engagements Facilitation and coaching of upto 22 hours 3 hours workshop for all teachers Overseas trip for 8 teachers for 5 days. Pri/ Sec /JC / Poly Project Price: 42,750
School Improvement (B)	<b>B1 I CAN School Approach:</b> to re-design chosen processes Upto 5 days of Design Consultancy (3 phases) 11 hours of Facilitation Project Price: \$29,250 nett	<b>B2 I CAN School : Advanced Level of School Improvement Project</b> Upto 8 days of Design Consultancy (3 phases) 19 hours of Facilitation Project Project Price: \$42,750	<b>B3</b> New Space or System Design for School Improvement Upto 5 days of Design Consultancy (3 phases) Blue Print – Report 4 hours of Facilitation Project Project Price: \$37,700	<b>B4 I CAN School with Overseas Engagement</b> Upto 48 hours of Design Consulting over 3 phases of the project 16 hours of teacher workshop and engagements Overseas trip - 8 teachers over 5 days. Project Price: 42,750



## Primary School Programme

### Chongfu School

Multiple runs | 2021 & 2023

DFCsg designed and delivered design thinking programme for their Primary 3 and 4 cohort on Sustainability and Waste topics.

In addition, students gained global perspective on sustainability by engaging with children from Kenya, Israel and Malaysia working on similar challenges.

**35 teachers** were also trained on Design Thinking concepts and facilitation skills



*'Feedback from both teachers and students has been exciting and positive, and the prototypes and presentations produced at the end are proof of the good work done. The trainers are very inspiring and engaging. The programme design was well thought out and the student learning outcomes in Design Thinking were achieved with great results.'* Jonathan, Chongfu School

## EDUCATOR's Programs and School Improvement Programs

DFC has **empowered over 1500 educators** to apply design-thinking concepts in education and practice facilitation skills. Chua Chu Kang Sec, Commonwealth Sec, Yumin Pri, Chongfu School, South View Pri, Qifa Pri to name a few.

**School Improvement Projects** with **Yumin Primary** and **Ai Tong School** to re-design processes e.g: teacher assessment, parent-teacher communications, redesign spaces for student engagement to name a few.

**Ministry of Social and Family Development (MSF)**– Engagement sessions with centre directors to design more efficient and user-centric family centers' experience for families

## Secondary School Programme

### CHIJ St Nicholas Girls School

Multiple runs | 2018- 2023

DFCsg has partnered St Nic Girls School over the last 6 years for their Sec 1 cohort-wide design thinking programme.

**Empathy** building amongst the teenagers has an important practice developed through the program. St Nic's students stepped out of their comfort zone to challenge the status quo and brought their ideas to life in prototypes to test with their users. They addressed real-life problems such as mental well-being, special needs students, canteen redesign, identity issues amongst youths, etc.

Similar Program with **St Theresa Convent Sec 3** students where they focused on making commute more inclusive for Pwd.

*"It is wonderful to see our students had an enriching and meaningful learning experience during the workshop. We are glad and hope to be able to continue working with DFC for future editions of our workshops."*

Mr Joseph Chan,  
St Nicholas Girls' School

## Project Work Re-Design: Junior Collage

### Catholic Junior College 2024

Project Work | 2024

10-month long project that is being carried out by DFCsg to enhance and integrate Design Thinking methods and mindsets in Project Work for the JC.

DFCsg worked closely with the PW teacher Committee and curated to deliver several touch points for over 700 student learning and empowerment to be change-agents of over 25+ causes. Real-world learning through various community and industry engagements from research, empathy building, testing and inspiration.



**DFC has worked with over 150 schools on various programs based on design-led process; Some are mentioned here:**



# Approved Rate Cards & Contact Information (Pri, Sec, JC)

No.	Description of Services	Specifications	Unit of Measure	Price (\$\$)	Remarks
1	Project Reporting	Pre/post Surveys and Interim & Final Reports	Per project	3,500.00	Assumes survey is ready to be used for a cohort wide programme evaluation.
2	Design Thinking (DT) Consultancy	Identification of School Needs and adaptation into programme	Per project	4,948.00	1 hr intent meeting with school leadership; 1 hr needs analysis workshop; program outline (up to 12-hours)); slides, lesson plan, videos, workbook not included
3	School Process Review	Consultancy services to review school processes	Per report	22,800.00	Plan for BPR session (1.5 man-days); Conduct BPR exercise (2 half-day workshop) with stakeholders; Conduct research/ FGDs for up to 10 stakeholders (2 man-days) Analysis of insights (2 man-days); Report on review (2 man-days)
4	School Programme Review	Consultancy Services to Review School Programme	Per Report	12,048.00	Review learning outcomes and other details (2-hrs) Update 8-12hrs curriculum & lesson plan and resources (iteration not included)
5	Updating of DT Curriculum Materials	Updating of lesson materials for school from existing materials.	Per set	10,524.00	Review learning outcomes and other details (2-hrs) Update 13-20hrs curriculum & lesson plan and resources (iteration not included)
6	Designing of new DT Curriculum Materials	Includes: • Syllabus • Lesson Plans • Related resources	Per set	15,000.00	Conduct 2-hrs mapping workshop with teachers Develop curriculum overview (up to 12-hrs) Develop lesson plan and resources (workbook, videos, stories) Designed to be delivered by DFCsg
7	Production of Standard Programme Materials	Includes: • Printing of lesson materials such as Worksheets / Posters / Charts	Per set	120.00	Production / printing of resources (workbook, activities materials, prototype materials) and incidentals (A set is for 1 class with up to 8 teams)
8	Internal Manpower Cost for Facilitation – Senior Speaker/ Facilitator	Includes: • Main facilitator for programmes • Main presenter for talks	Per facilitator per hour	250.00	For student programmes only
9	Internal Manpower Cost for Facilitation – Junior Speaker/ Facilitator	Includes: • Support roles for programmes	Per facilitator per hour	80.00	
10	External Manpower Cost for Facilitation – Senior Speaker/ Facilitator	Includes: • Main facilitator for programmes • Main presenter for talks	Per facilitator per hour	150.00	Facilitator with experience in school program delivery also Includes trainer management cost
11	External Manpower Cost for Facilitation – Junior Speaker/ Facilitator	Includes: • Support roles for programmes	Per facilitator per hour	60.00	Includes trainer management cost
12	DT Project Mentoring	DT Mentor for specific projects	Per mentor per hour	350.00	Carried out by Internal Senior / Associate Facilitator for coaching Depending on type of sessions, for some student groups External Senior trainers can be assigned
13	Audit report	External audit of actual expenditure by practitioner	Per report	2,000.00	Auditor fees for report and management cost for assisting the process