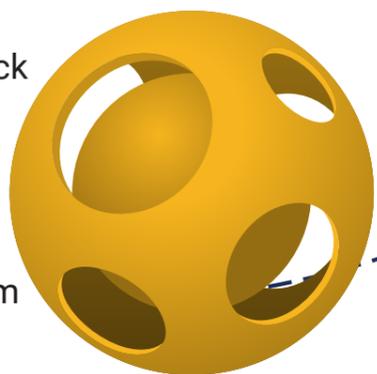


Our 'Creativity and Innovation' track fosters creative confidence, equipping students to navigate future challenges and unknown careers. Designed specifically for Invictus students, it prepares them for top universities, enhances interest in STEAM through project-based learning, and stimulates problem-solving, critical thinking, risk-taking, and curiosity.



Step into FabLab's world of endless possibilities! Shape a future where innovation is instinctive. Enroll in our FabLab programmes today and let's unlock your boundless potential together.

**So why wait? Join our Creative & Innovation Programmes now and let your imagination take flight!**

[www.invictus.school](http://www.invictus.school)

Singapore | Hong Kong | Thailand | Cambodia | Malaysia



**INVICTUS**  
INTERNATIONAL SCHOOL



# Creativity & Innovation

With Invictus FabLab

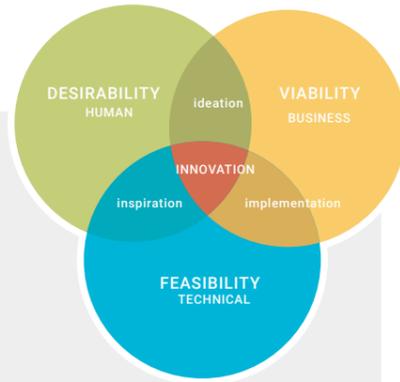


# DARE TO THINK DIFFERENTLY

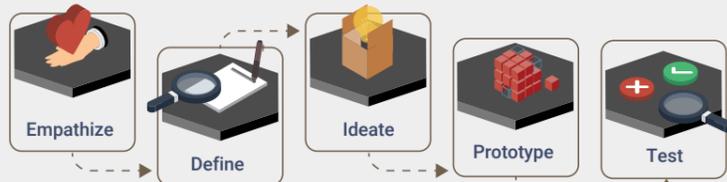
Design Thinking, Global Thinking & ArtScience are the theoretical frameworks to help students conceptualize their ideas or situate them in real-world problem solving.

## Design Thinking

For Grades 6-8



A revolutionary approach conceived by Stanford University in 2003, now synonymous with innovative problem-solving. This framework combines empathy, experimentation, and collaboration to overcome complex challenges. Our expert-crafted programme harnesses this human-centered process to foster creativity and unlock groundbreaking solutions.



## Global Thinking

For Grades 7-12



Harvard Project Zero programme nurtures the four dispositions of global thinking: to investigate the world beyond our immediate environment; understand multiple perspectives; communicate respectfully across differences and proactive in taking actions. It enculturates in our students the ability, inclination and sensitivity to be global citizens. It strives to provide deep and relevant learning.



Harvard University © Project Zero

## ArtScience

For Grades 9-12

ArtScience Prize (ASP) champions the power of cross-disciplinary work to foster innovative ideas. This unique programme model, built on 'artscience', empowers students to fluidly shift between the arts and sciences. It includes project development and art classes, coupled with exploration of a socially relevant scientific theme at the start of each programme year. Under the guidance of skilled mentors, students ignite their ideas via a three-step artscience translation process, cultivating the leaders of tomorrow.



a program of artscience labs

### CONCEPTION

In this stage, students hone skills like problem-identification, brainstorming, and teamwork to develop ideas.

### TRANSLATION

This phase involves turning ideas into reality, with expert guidance, theme research, and experimental idea testing.

### REALIZATION

Here, students refine presentation skills, learn about intellectual property, gain financial literacy, and explore entrepreneurial aspects of idea development.

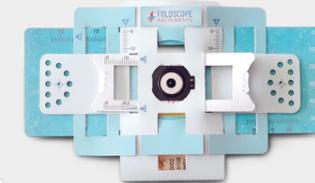
# CONFIDENCE TO MAKE MEANINGFULLY

Unlock creativity with our FabLab program! Started at MIT, FabLabs provide cutting-edge tools to turn ideas into reality, fostering hands-on learning and innovation. Discover the possibilities with our FabLab offerings:

## Exploratory Making

For Grades 6-8

We use specially designed tools like the Foldscope - a 1-dollar microscope to observe and learn from the microscopic world.



Stick-em is a tool for problem-based learning and open-ended exploration that fosters imagination through hardware, electronics and programming.



## Digital Fabrication

For Grades 9-11

### Cutting-Edge Tools:

From 3D printers to laser cutters, CNC machines to electronics kits, our FabLab is equipped for rapid prototyping and to bring your wildest ideas to life.

### Fab Learning Academy:

Our expert instructors, trained through the world-wide teachers programme, passionately guide students to learn how to make almost anything.



Fab Learning Academy



## Cambridge International Project Qualification (IPQ)

For Grade 12



### Entrepreneurial Mindset:

With our FabLab programmes, foster an entrepreneurial spirit, learning to convert ideas into solutions. Boost your ambition and aim for tangible impact through product development and innovation strategies.

### Collaboration and Community:

FabLab is a vibrant community of makers and innovators. It encourages collaboration, idea exchange, and inspiration from diverse perspectives.

### fablabs.io platform:

With over 2500 FabLabs and 20K users world-wide, fablabs.io connects students to knowledge, resources and people for support. Students can also share their work with a global audience.