

ATAL INNOVATION MISSION

Integrate ATL into your School Curriculum



Levels of Tinkering

There are four levels of Tinkering. Each level represents different competencies and requires different skill sets. Each level has different types of activities and different durations for the activities.

01

Level 1: Pre-Tinkering: The first level aims to inspire students to be passionate about tinkering. Students from grades 6-12 are eligible to participate in this level. The duration for this level of tinkering is about a month and flexible as per the allotted time-table and school schedule.

02

Level 2: Tinker Club: The second level aims to steer students towards tinkering skills. Participation is open to students showing self-interest, those who self-register or are nominated by their teachers. The duration for this level of tinkering is about two months and flexible as per the allotted time-table and school schedule.

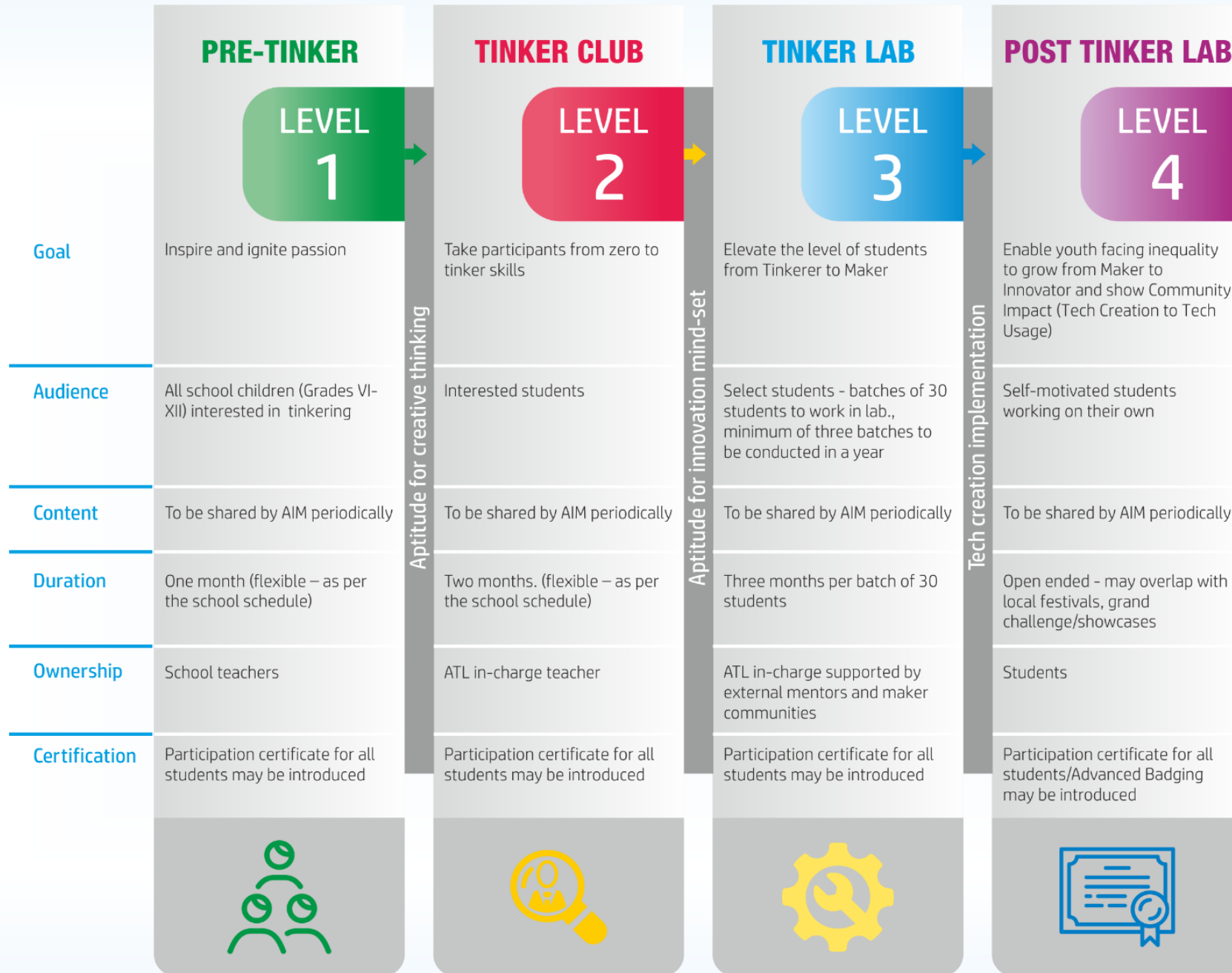
03

Level 3: Tinker Lab: In the third level, the aim is to move students from being a tinkerer to a maker. Students work in the Tinkering Lab on their projects for a duration of around 3 months under the supervision of mentors. Students can be grouped in batches as per their age and class level.

04

Level 4: Post-Tinker Lab: In this final level, the aim is to give students an opportunity to demonstrate community impact. Students who have participated in the previous three levels and are self-motivated, work on real-time projects under the supervision of mentors. There is no fixed duration for the completion of this level as students would participate in contests or innovation festivals as well.





My Implementation Plan

Write your Implementation Plan

Use next slides to reflect on the plan!





Purpose of Innovation Implementation Plan

01

To demonstrates that you are organized and dedicated towards getting the task done



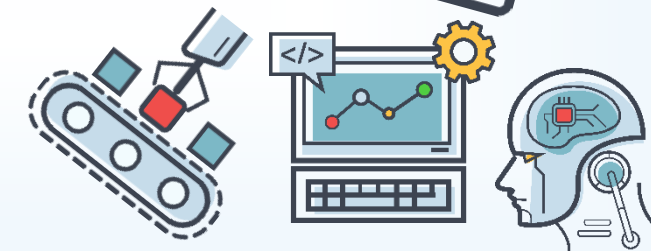
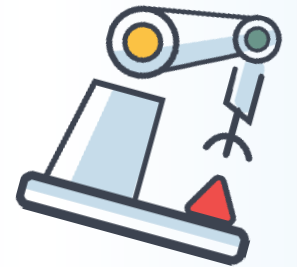
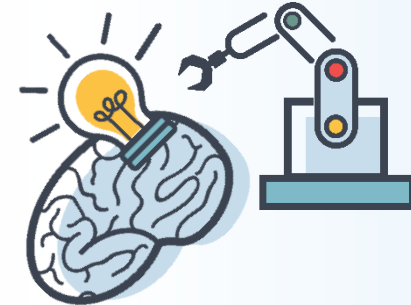
02

Acts as a checklist



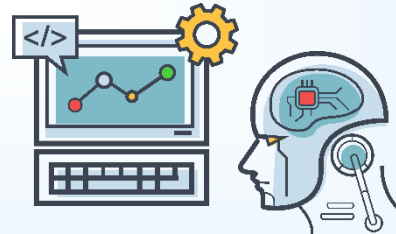
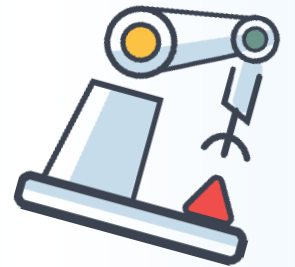
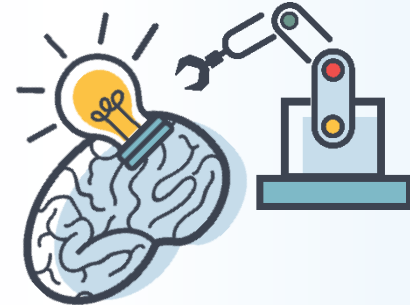
02

Gives a sense of accountability to all those who are involved





Implementing the ATL Program



Sample Implementation Plan

School Name: Vishwa International School, Medha

Tinkering Level	Start Date	End Date	No. of Teachers Trained	No. of Students Trained	Activities Conducted in the Lab
Level 1 - Pre-Tinker	20 th June 2019	20 th July 2019	20 teachers + 1 ATL in-charge	120 students (grade 6 to 10)	<ol style="list-style-type: none"> 1. Presentation about ATL labs 2. Presentation about Mission Innovation 3. A set of questions for recommended innovation projects
Level 2 - Tinker Club	21 st July 2019	1 st September 2019	20 teachers +1 ATL in-charge involved in supporting ATL	Interested students (90)	<ol style="list-style-type: none"> 1. Presentation about Design Thinking 2. Presentation about Stages of Design Thinking 3. Presentation about Circuit Designing and Soldering 4. Presentation about Arduino Uno
Level 3 - Tinker Lab	4 th September 2019	4 th March 2020	20 teachers +1 ATL in-charge involved in supporting ATL	60 students (2 batches of 30 students each)	<ol style="list-style-type: none"> 1. Presentation about Physical Computing - How to program a board 2. Presentation on learning to program a board with simple DIY activities 3. Presentation about Physical Computing - How to connect sensors with board 4. Sample project activities
Level 4 - Post Tinker Lab	6 th March 2020	10 th April 2020	ATL in- charge supporting students	40 students	Hands-on activities

My Implementation Plan Template

Tinkering Level	Start Date	End Date	No. of Teachers Trained	No. of Students Trained	Activities Conducted in the Lab
Level 1 - Pre-Tinker					
Level 2 - Tinker Club					
Level 3 - Tinker Lab					
Level 4 - Post Tinker Lab					

