



## 5 Saturdays Train the Facilitator Course

**Location:** Virtual ([www.5Saturdays.org](http://www.5Saturdays.org)) and Face-to-Face Classes

**Instructor:** Dr. Dave Cornelius

### I. Rationale:

The “Train the Facilitator” (TTF) course prepares professionals and students to lead science, technology, engineering, and math (STEM) learning experiences locally and globally aimed at men and women experiencing limited hope and educational opportunities.

### II. Course Aims and Outcomes:

#### *Aims:*

The aim of this course is to equip professionals and students with skills to facilitate STEM learning experiences by working in local communities that include schools, non-profits, and other organizations. This course will provide knowledge and experiences that prepare the facilitators to obtain the Agility Facilitator Certification.

#### *Specific Learning Outcomes:*

By the end of this course, the learning facilitator will:

- 1) Understand the requirements to start a 5 Saturdays program
- 2) Discover the rigor needed to lead a 5 Saturdays workshop
- 3) Adapt the servant leadership practice to facilitate learning
- 4) Embrace empathy and understanding to connect with students
- 5) Learn techniques to creatively resolve conflict
- 6) Use creative thinking through storytelling to initiate innovation
- 7) Become familiar software development concepts by using the Alice software program
- 8) Apply critical thinking with Agility
- 9) Experience Agility with Scrum
- 10) Develop root cause analysis skills with the “5 Whys”
- 11) Learn advance retrospective techniques
- 12) Use risks, delivery, quality, and costs measurement techniques



### **III. Format and Procedures:**

The format of this course is a series of modules that are delivered virtually through a self-paced online learning experience. The face-to-face training will use the same content to ensure consistency in learning regardless of the learning delivery mechanism.

Each self-paced virtual module is accompanied by illustrations and images from previous workshops. At the conclusion of each learning module, a mandatory quiz must be completed to get credit for the learning module.

### **IV. Assumptions:**

The assumption is that the journey to achieve the Agility Facilitator Certification requires effort and dedication, and that the people taking this course will invest time and energy to reach the goal. One of the key takeaways from this learning experience is the practice of Agility with Kanban and Scrum. We expect people to work collaboratively and use project-based techniques to meet objectives.

### **V. Course Requirements:**

This course does not require any previous academic courses. The learning facilitators in training must be at least 17 years old.

Attendance and participation policy to receive the Agility Facilitator Certification:

- Must participate as a member of the team leading workshops after completing this course for a minimum of three workshop sessions
- Must participate as an evaluator of a workshop for a minimum of one workshop session
- For face-to-face TTF learning sessions, must attend the eight-hour “How to lead a 5 Saturdays” workshop

### **VI. Grading Procedures:**

Grades will be obtained through the completion of each module and passing the quiz with a score of 60% (five-question quiz) or 70% [10-question (or more) quiz]. The quizzes are open book. We expect the learning facilitator in training to complete each module based on his or her own effort.

### **VII. Inclusivity Statement:**

The 5 Saturdays’ learning experience values diversity in people. We welcome people with the desire to build a community that:



- Builds hope and opportunities for others
- Demonstrates openness to learning new knowledge
- Demonstrates respect for diversity
- Has a passion for STEM education

## VIII. Course Schedule

The course schedule highlights the 13 core modules the facilitator in training is required to complete.

Topics Assignment	Artifact Reference
Starting a 5 Saturdays Program	01_5S - TTF Starting 5Saturdays Program
Leading the 5 Saturdays Workshops	02_5S - TTF Leading 5S Workshop
Servant leadership practice	03_5S - TTF Servant Leadership
Empathy and understanding	04_5S - TTF Empathy
Creative conflict resolution	05_5S - TTF Creative Conflict Resolution
Creative thinking through storytelling	06_5S - Creative Thinking
Alice software program tutorial	13_LucyGoesToMars_Tutorial
Critical thinking with Agility	07_5S - Critical Thinking
Software development concepts with Alice	16_5S - Software Intro Alice
Agility with Scrum	08_5S - Agility with Scrum
Advance retrospective techniques	10_5S - TTF Retrospective
Agile Root cause analysis with “5 Whys”	09_5S - TTF Agile Root Cause
Risks, delivery, quality, and costs measurement techniques	11_5S - Risks-Delivery-Quality-Costs

## IX. Additional Reading and References:

The Servant:AAAAA, Jams Hunter

[www.AgileCoffee.com](http://www.AgileCoffee.com)

[www.ScrumAlliance.com](http://www.ScrumAlliance.com)

[www.KnoIShare.org](http://www.KnoIShare.org)

[www.AgileOpenCalifornia.com](http://www.AgileOpenCalifornia.com)