
About Children Innovation Course

Innovate Africa Foundation has been delivering Children Innovation Course since January this year. To now, we are working with eight schools (Bbunga Hills Primary School and Konge Parents Primary School,...). Combined, the total number of students who participate in the course from both schools is 1423. We expect these course beneficiaries to become innovators, creators, change agents, entrepreneurs and inventors in the near future. In this process of Children Innovation Course, students from primary 3 to primary 6 are grouped into clubs and three hours each week are given to each class as extra curriculum activity. Being a practical course, students use practical learning materials and tool kits/kit



bags during the learning process.

Course Objectives

1. Creating the Africa own innovational identity
2. Raising a new generation of young innovators that will revolutionize African economy,
3. Providing practical innovation skills to young students complementary to theoretical knowledge they learn from scientific subjects,
4. Preparing a class of young professional innovators that can challenge unemployment.

Facilities

Lecture rooms are properties of the partnered school. The materials are provided by Innovate Africa Foundation and we are now looking for interested partners who pledge to sponsor this project routine activities.



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CHILDREN INNOVATION COURSE YOUNG INNOVATORS FOR AFRICAN INNOVATION



Targeted students

Targeted students are pupils in primary and secondary schools in the range of 10 to 18 years old.

Course duration

Each class per school is given three hours in a week. For the whole year, from Primary three to senior six.

Costs covering

Major costs involved in this exercise are payments to instructors, materials for practices and kitbags for tools. Per now, all the costs are being secured by Innovate Africa Foundation while it is trying to reach to interested partners who will provide their inputs so that the project can be run successfully and reach more beneficiaries.

Course topics

Paper based innovative ideas, Plastic based innovation ideas, card board creative ideas, mechanism innovative ideas, basic energy innovative ideas, toy creative ideas and prototyping ideas.

Study methodology

The exercise is a learning-by-doing course. This is an on-ground course, meaning to meet face-to-face for discussions, formal presentations of key learning material, exercises, and application of key course deliverables.

For the first day of the course - Ideation and Team Formation activities – are organised on students randomly selection and involves class forum. Next, the physical interactions of mentors and students offer different types of teaching methods - lectures (30%), and special sessions in other formats, like workshops, panel discussions, team work sessions, presentations (70%). Throughout the course, participants make part of and work in teams. In addition, there are individual course assignments.



Participants in the project

- **Schools:** Schools play the key role in the success of the project. They provide the learning facilities and students.
- **Innovate Africa Foundation**
The responsibility of Innovate Africa Foundation extends to facilitating children learning about innovation skills.
- **Sponsors:** Sponsors have played a keen role in running this educational project. They provide financial resources.

Expected outcomes and benefits

To provide for young students a safe but at the same time a genuine environment for testing themselves as innovators and realizing if this is what they really want to become, and if they have what it takes.

To empower them in terms of knowing what it really feels, looks, sounds, tastes and is like to be an innovator - with all the possible destinations in their future.

The course will allow them to understand what it takes and how it works to turn an idea into a real business.

Encouraging young children to try out new things and ideas is a crucial factor in their intellectual, entrepreneurial and emotional growth.

Forecasted milestones

Becoming African leader in innovational community outreach in 10 years,

Partnering with 10% of Uganda schools in 10 years,

Increasing beneficiaries up to 20% of primary and secondary students in 10 years,

Detention of a student for at least 8 years (from 10 to 18 years old students),

Extension of the course in 70% of other African countries in 10 years.



Methodology

Introduction of the topic,

Demonstration by instructors,

Students practice in constant groups of up to 8 students headed by a group leader,

Students demonstration and evaluation in their groups.

Equipment and materials

Handouts for subject guide and explanation,

A copy of prototype of topic item for brainstorming ideas,

Innovation kitbag containing tools for using during practice.

Evaluation

Course attendance-30%

Team evaluation-30%

Individual evaluation-20%

Class evaluation-20%



Challenges encountered during the first phase of the project implementation

Financial constraint given that the project started in February 2018. It started with difficulties of securing administrative, operational costs since there is no financial contribution from schools.

Huge demand in number of both schools and students as many have shown the will to partner with us.