

## **NATIONAL REPORT - GUATEMALA**

### **Academy of Medical, Physical and Natural Sciences of Guatemala**

Río de Janeiro, Brazil

June 2010

Current status of the Science Education Program implemented by your Guatemala's Academy

An agreement between the Ministry of Education, the National Council of Science and Technology and the Academy was signed on October 2008.

We started in 2009 with

#### *Participants*

10 public schools

4 private schools

Total: 55 teachers enrolled

Ministry of Education authorized us to work with teachers 2 hours every other week. At the end of the year there were 600 students practicing IBSE in their classroom.

In may 2010 we have ...

Schools and teachers that are active

Phase I (new comers from 2010)

15 public schools .. 9 teachers participating

3 private schools ... 10 teachers participating

Phase II (graduated from phase I in 2009)

4 public schools ..... 6 teachers participating

3 private schools ... 11 teachers participating

At the end of this year, there would be an approximate of 1400 students working science class thru inquiry.

#### *Activities with the teachers in the program*

Through the classes given by either international or national scientist trained in IBSE our teaches had become familiar with an investigation experience and identified characteristics of the IBSE pedagogy, such as the questioning and the necessity of evidences to support the conclusions. Additionally, aspects like the motivation, the validity of different answers and the written registry were recognized as very important activities in our science classes.

Evaluation of the first year from the coordinator of the program:

We had 22 teachers finishing the first year of the program, this includes 6 public schools and 3 private ones. Their written exam showed an improvement in their knowledge of science and their first class given fully based on IBSE was an experience that they enjoyed and made them realize even more the importance of the learning of this method.

### **Economical Report**

*PO 219941*

First deposit

Activity 1.1.8 Workshop

Original amount	\$5000	spent	\$1793.63
Traveling expenses			\$1426.91
Organization expenses			\$311.70
Photocopies			\$55.02
Money left without using			\$ 3206.37

*PO 224722*

Second payment

Activity 1.3 Canada

Original amount		\$2500.00
spent		\$2241.15
Traveling expenses		\$ 2241.15
Money left without using		\$ 258.85

Authorized activity in February

For using the money we had 4 Mexican facilitators worked with around 60 teachers the themes Evolution and Ecosystems.

Using PO 219941 having left \$3206.37

Traveling expenses	\$1838.61
Room and food	\$1304.53
Still left	\$ 63.23

### **CONCLUSIONS**

From the \$11000.00 Guatemala received we didn't receive the material Chile was giving us (after trying to communicate even with the help of Mónica Gómez) with a value of \$3500.00.

This plus the \$ 322.08 left from the two PO's Guatemala didn't spend \$3822.08