



1



The XO and Learning

Claudia Urrea
OLPC

claudia@laptop.org

<http://www.laptop.org>

Seymour Papert



Cambridge, 17 September, 2008

OLPC - Powerful ideas



- 1:1 immersive access (ownership)
- Ubiquitous connectivity
- Mobility
- Free and open software
- Scale (saturation)

1:1 Immersion access



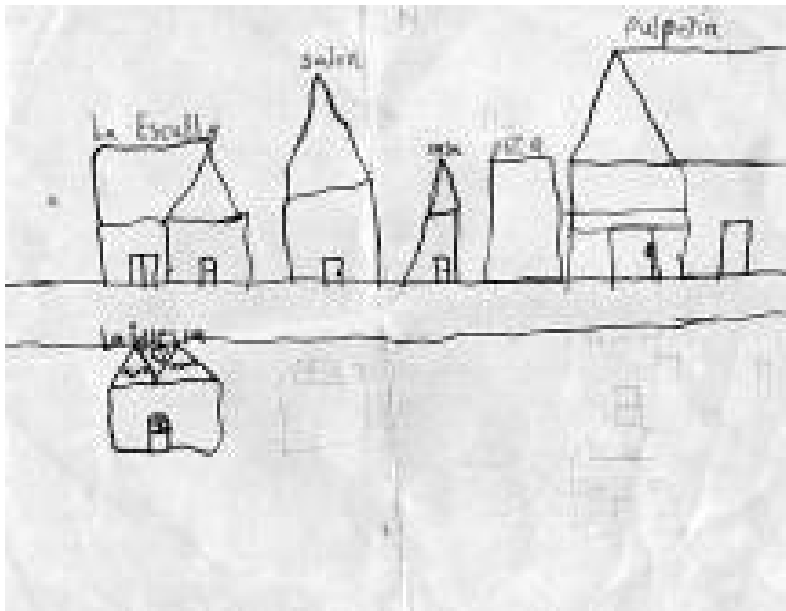
- Expression & representation
- Modelling & simulation
- Computational literacy
- Deep learning
- Culturally relevant
- Inclusion to home and community

El Silencio – Costa Rica



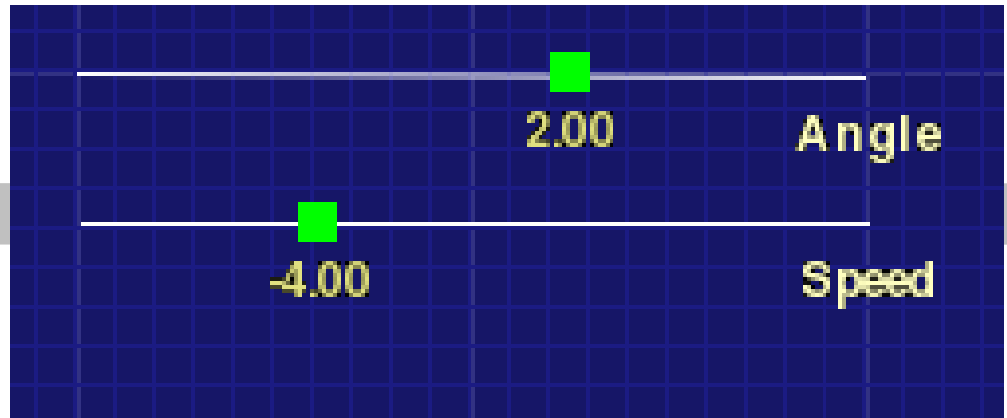
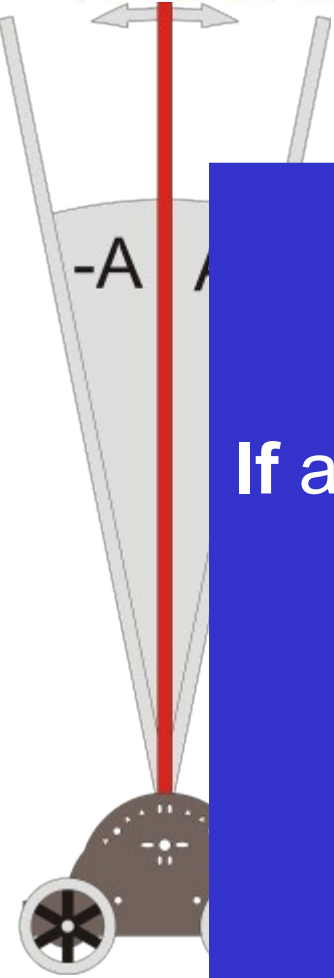
- 117 inhabitants
- 45 families
- Milk farms and agriculture

Map of the community (scale)



```
to count-rev  
  resetdp  
  make "rev 0  
  forever [ if (sensor1 = 0) [make "rev :rev + 1  
    record :rev beep]]  
end
```

Content



If angle > 0 and speed > 0 [moveRight]
If angle < 0 and speed < 0 [moveLeft]
If angle $< A$ and angle > 0 and speed < 0 [moveLeft
]
If angle $> -A$ and angle < 0 and speed > 0
[moveRight]

Adam and Alex's discrete method

Ubiquitous connectivity



- Collaboration
 - At all times
 - At finer granularity
 - Based in activity
- Deeply social learning
 - Based on collective interests
 - Impacts the community

Learning with others around the world (Scratch smokers program)



lunes 4 de agosto de 2008

Investigando Scratch



A las niñas Ernestina Martinez y Mariana Viera de la Escuela N° 2 "José Pedro Varela" también les gustó el programa e investigaron. Crearon varios proyectos que están mostrando y explicando a sus compañeros de 6º año para que ellos programen los suyos.

Algunos ejemplos:

Buscador de CEIBAL

Buscar

Blogósfera niños

Taller de cocina:

<http://actividadesdesexto1.blog>

Guía turística de Florida

<http://guiaturisticadeflorida.blog>

Recuerdos de viaje:

<http://recuerdosdelforopuntad>

Taller de manualidades:

<http://quintoadeescuela108.blog>

Segundo A. Escuela 108

<http://segundomatutino.blogspot>

Cuarto año A. Esc. 108

<http://estefanydela108.blogspot>

De todo un poco:

<http://sextosdela37.blogspot.com>

Historias de cuarto

<http://4aescuelacanada.blogspot>

La pandilla de cuarto

<http://4bescuelavarela.blogspot>

Revista digital escuela 116

<http://revista116.blogspot.com>

Blog de 4º y 5º de la escuela n°

47

<http://4toy5todela47.blogspot>

Mensajes xo

Mobility



- Bringing learning everywhere
 - Learning is not limited to the school
 - The whole world becomes a student's laboratory*
- Bringing connectivity everywhere
 - The family and community become connected
 - Learning with others around the world

Learning everywhere



Family participation



Free and Open software



- Discovery
- Appropriation (Imagine, Reshape, reinvent) *
- Developers
- Viability and sustainability

Scale



- Getting beyond the computer lab
- Inclusion
- Transforming learning
- Impact on societal level, not just classroom or school

Full development of every child's potential

1



OLPC workshop



- 1:1 immersive access
- Ubiquitous connectivity
- Mobility
- Free and open software
- Scale