

# Green Machines



Design Continuum

Will a hand-cranked laptop open new windows on the world for kids in poor countries?

## Low-cost laptops to help improve education for world's poor.

Can you imagine a day when every student has a laptop computer? Nicholas Negroponte can. He hopes to make that happen with the One Laptop per Child (OLPC) program. The **nonprofit organization** he founded aims to provide laptops to elementary students in poor countries. If everything goes according to plan, by 2007 up to 7 million children in Thailand, Nigeria, Brazil, and Argentina will have their own laptops. After that, the organization hopes to bring the program to China, Egypt, and Mexico.

The program is starting small. Beginning October and into November [2006], 500 children in Thailand will receive computers. Thailand's Prime Minister Thaksin Shinawatra recently promised that every elementary student in his country will receive a free computer "instead of books." Textbooks can be expensive, but the new laptops might cut those costs. The computers are designed to connect to the Internet. "Books will be found and can be read on computers," Thaksin says.

<sup>1</sup> **nonprofit organization:** organization not existing or carried on for the purpose of making money

A

~~scribbles~~

3/0

37%

What's next?

|

2

Reading Passage

3

Nicknamed "the green machine," each computer will initially cost about \$140, but OLPC's goal is to reduce the cost to \$100. The machine was designed by the Massachusetts Institute of Technology's Media Laboratory to meet the needs of developing countries. For instance, the laptops run on electricity produced by hand cranks. That is important because some people in poor areas lack electric power.

4

The laptops don't appeal to developing nations only, however. A number of U.S. educators are also interested in the machines. They see the laptops as useful tools for children whose families can't afford computers.

x3  
 Article  
 Cost of the  
 PC  
 Code  
 (5-88)

Question Sheet

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**"Green Machines" Questions**

1. Providing laptops at a lower cost is important because
  - a. companies will be able to sell more computers.
  - b. people can have more than one computer in their home. ~~x~~
  - c. more people are given access to information. ~~x~~
  - d. it creates more jobs. ~~x~~
  
2. In the U.S., the OLPC's computers would be useful tools for everyone ~~not just people with low income~~
  - a. other computers get more expensive. ~~x~~
  - b. there is a blackout. ~~x~~
  - c. air pollution gets bad. ~~x~~
  - d. the price goes down to \$100.
  
3. One country that has ~~not~~ been mentioned as a site for the OLPC program is
  - a. the U.S.
  - b. Turkey. ~~x~~
  - c. Argentina. ~~x~~
  - d. Egypt. ~~x~~
  
4. Prime Minister Thaksin Shinawatra of Thailand seems to have all the following personality traits ~~except~~
  - a. foresight. ~~x~~
  - b. interest in reading. ~~x~~
  - c. hopelessness. ~~x~~
  - d. generosity.
  
5. What else would be necessary, besides the actual laptops, for the children in these countries to get the full benefit of learning online?

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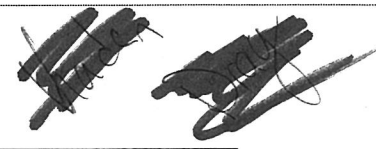


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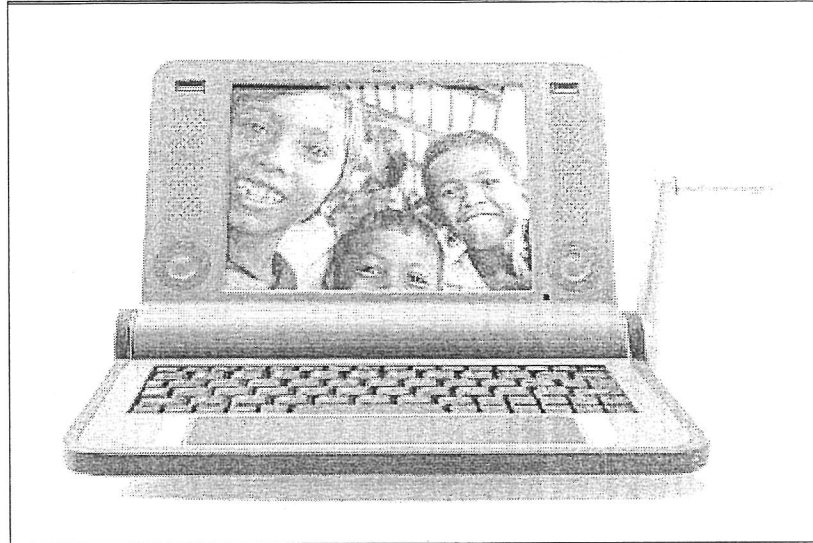


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# Green Machines



2/8



Design Continuum

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## Low-cost laptops to help improve education for world's poor.

1 Can you imagine a day when every student has a laptop computer? Nicholas Negroponte can. He hopes to make that happen with the One Laptop per Child (OLPC) program. The **nonprofit organization**<sup>1</sup> he founded aims to provide laptops to elementary students in poor countries. If everything goes according to plan, by 2007 up to 7 million children in Thailand, Nigeria, Brazil, and ~~Argentina~~ will have their own laptops. After that, the organization hopes to bring the program to China, ~~Egypt~~, and Mexico.

2 The program is starting small. Beginning October and into November [2006], 500 children in Thailand will receive computers. Thailand's Prime Minister Thaksin Shinawatra recently promised that every elementary student in his country will receive a free computer "instead of books." Textbooks can be expensive, but the new laptops might cut those costs. The computers are designed to connect to the Internet. "Books will be found and can be read on computers," Thaksin says.

<sup>1</sup> **nonprofit organization**: organization not existing or carried on for the purpose of making money

Reading Passage

- 3 Nicknamed "the green machine," each computer will initially cost about \$140, but OLPC's goal is to reduce the cost to \$100. The machine was designed by the Massachusetts Institute of Technology's Media Laboratory to meet the needs of developing countries. For instance, the laptops run on electricity produced by hand cranks. That is important because some people in poor areas lack electric power.
- 4 The laptops don't appeal to developing nations only, however. A number of U.S. educators are also interested in the machines. They see the laptops as useful tools for children whose families can't afford computers.

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 - TBE  
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Question Sheet

Name: ~~Kaden~~ # \_\_\_\_\_

Date: 2-13-13

**"Green Machines" Questions**

1. Providing laptops at a lower cost is important because
- a. companies will be able to sell more computers.
  - b. people can have more than one computer in their home.
  - c. more people are given access to information.
  - d. it creates more jobs.
2. In the U.S., the OLPC's computers would be useful tools for *everyone* (not just people with low income) if
- a. other computers get more expensive.
  - b. there is a blackout.
  - c. air pollution gets bad.
  - d. the price goes down to \$100.
3. One country that has *not* been mentioned as a site for the OLPC program is
- a. the U.S.
  - b. Turkey.
  - c. Argentina.
  - d. Egypt.
4. Prime Minister Thaksin Shinawatra of Thailand seems to have all the following personality traits *except*
- a. foresight.
  - b. interest in reading.
  - c. hopelessness.
  - d. generosity.
5. What else would be necessary, besides the actual laptops, for the children in these countries to get the full benefit of learning online?

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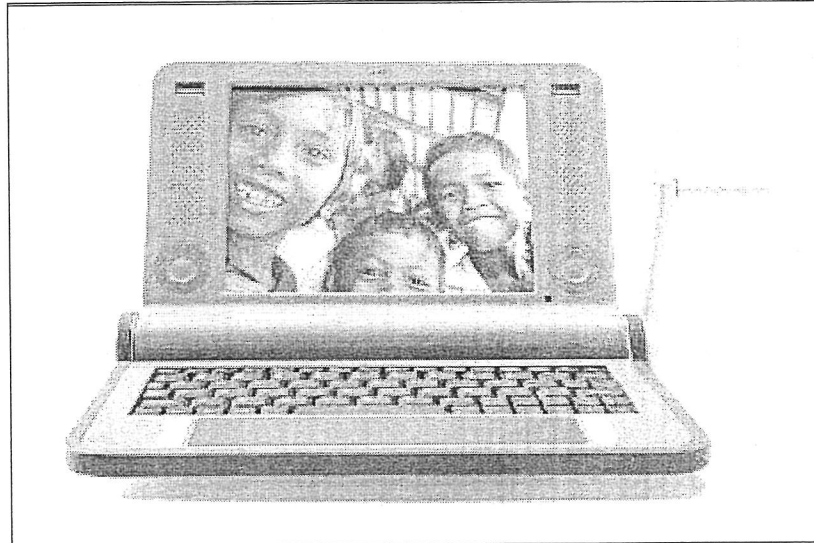


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# Green Machines



Design Continuum

Will a hand-cranked laptop open new windows on the world for kids in poor countries?

5/8  
62%

## Low-cost laptops to help improve education for world's poor.

That's good that Thailand is getting laptops. How come the other states ant Getting them?

Can you imagine a day when every student has a laptop computer? Nicholas Negroponte can. He hopes to make that happen with the One Laptop per Child (OLPC) program. The **nonprofit organization**<sup>1</sup> he founded aims to provide laptops to elementary students in poor countries. If everything goes according to plan, by 2007 up to 7 million children in Thailand, Nigeria, Brazil, and Argentina will have their own laptops. After that, the organization hopes to bring the program to China, Egypt, and Mexico.

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Reading Passage

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4

The laptops don't appeal to developing nations only, however. A number of U.S. educators are also interested in the machines. They see the laptops as useful tools for children whose families can't afford computers.

44	Yes	No
Circle title		ROA
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#		
T.B.E		



Question Sheet

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**“Green Machines” Questions**

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1/4

2. In the U.S., the OLPC's computers would be useful tools for everyone (not just people with low income) if
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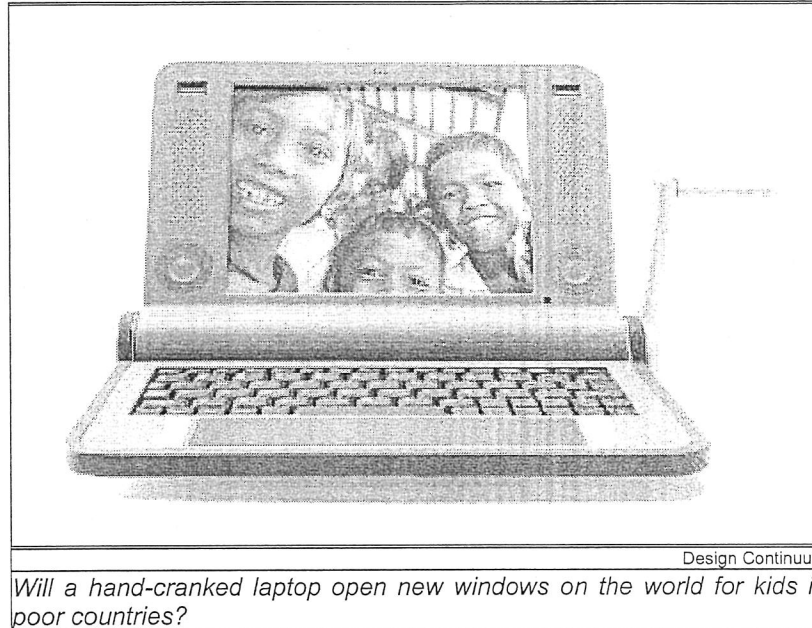
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  - d. generosity.

5. What else would be necessary, besides the actual laptops, for the children in these countries to get the full benefit of learning online?

Another necessary things are books for all the kids  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

# Green Machines



~~Handwritten scribbles~~

6/8

75%

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4

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Code table  
# 0  
T.B.E  
- Code questions  
- D.C.E  
oh  
oh

Question Sheet

Name: \_\_\_\_\_

Date: \_\_\_\_\_

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