

Getting It Right!



Perspectives on Education

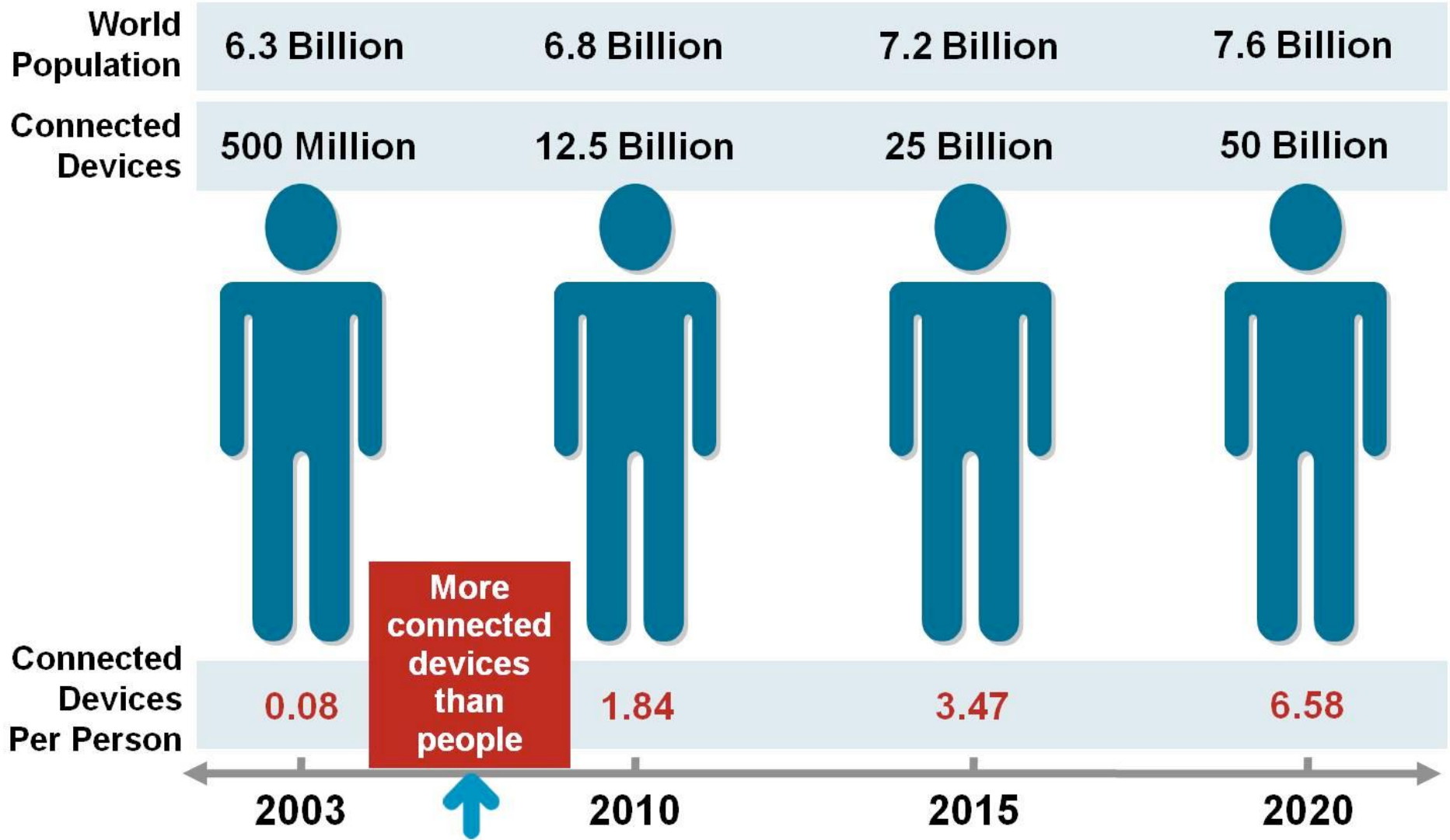
- Education is the path from cocky ignorance to miserable uncertainty.
- It is a miracle that curiosity survives formal education.
- Children today are tyrants. They contradict their parents, gobble their food, and tyrannize their teachers. What will become of them? This world is truly coming to an end.
- In a time of drastic change it is the learners who inherit the future. The learned usually find themselves equipped to live in a world that no longer exists.

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“Progress in the 21st
century will proceed
at rates
1000 times
greater than the
20th century.”

— Ray Kurzweil





Cisco IBSG, April 2011

The Rise of the “Any” Child

- Any Time
- Any Place
- Any Path
- Any Pace

(Milton Chen)



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The Learner Centered Paradigm

I am the **Any** Child and my success matters...

- Knowledge
- Skills
- Disposition



“Do not train children to learning by force and harshness but direct them to it by what amuse their minds, so that you may be better able to discover with accuracy the peculiar bent of the genius of each.”

- Plato

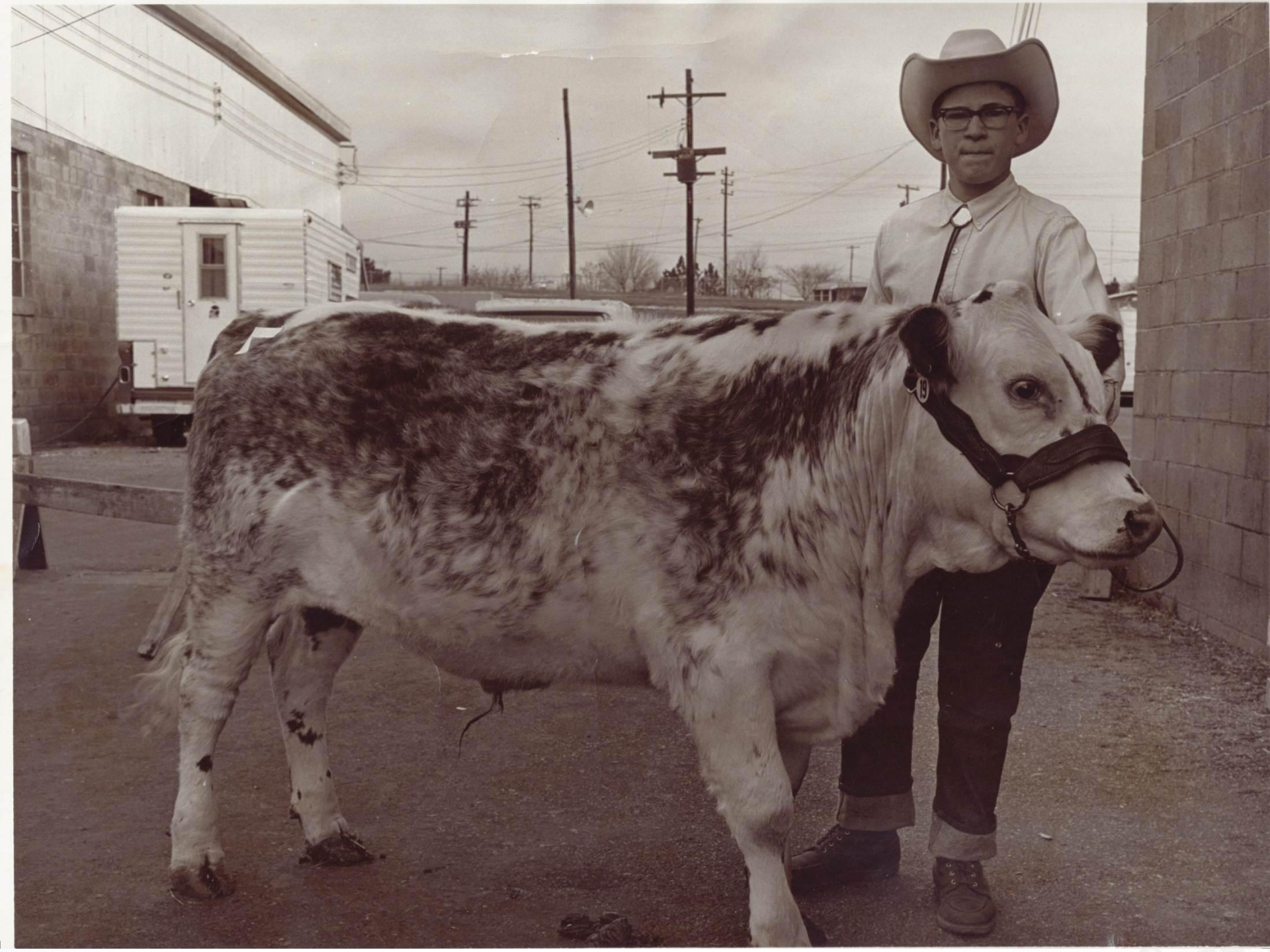


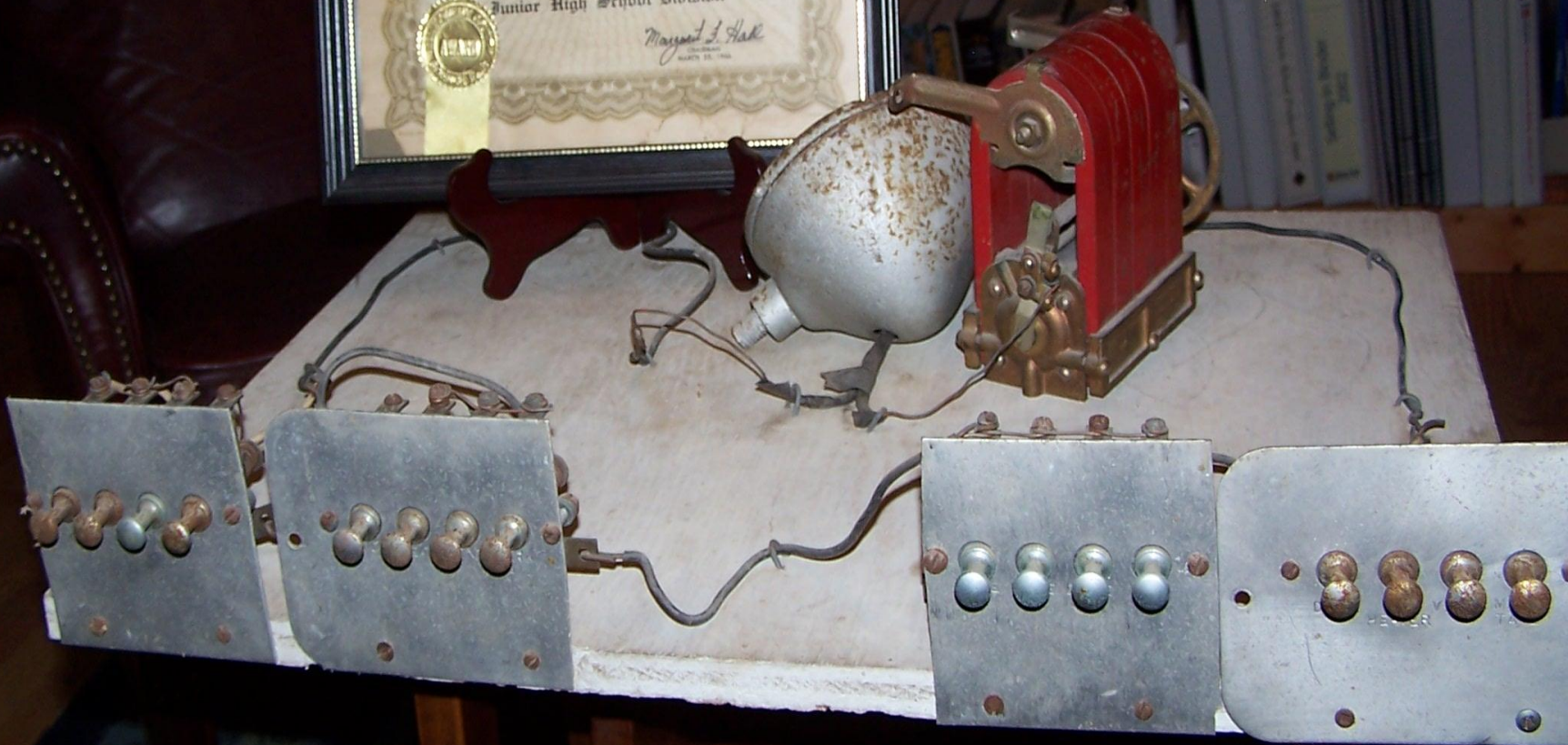
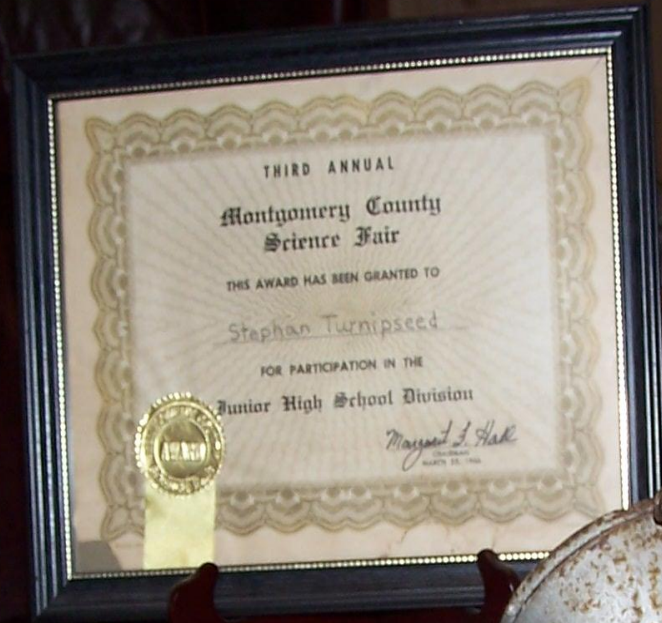
The Learner Centered Paradigm

I am the **Any** Child and my opinion matters...

- Competency Based
- Learner Agency
- Personalized, relevant and contextualized
- Open Walled
- Socially Embedded







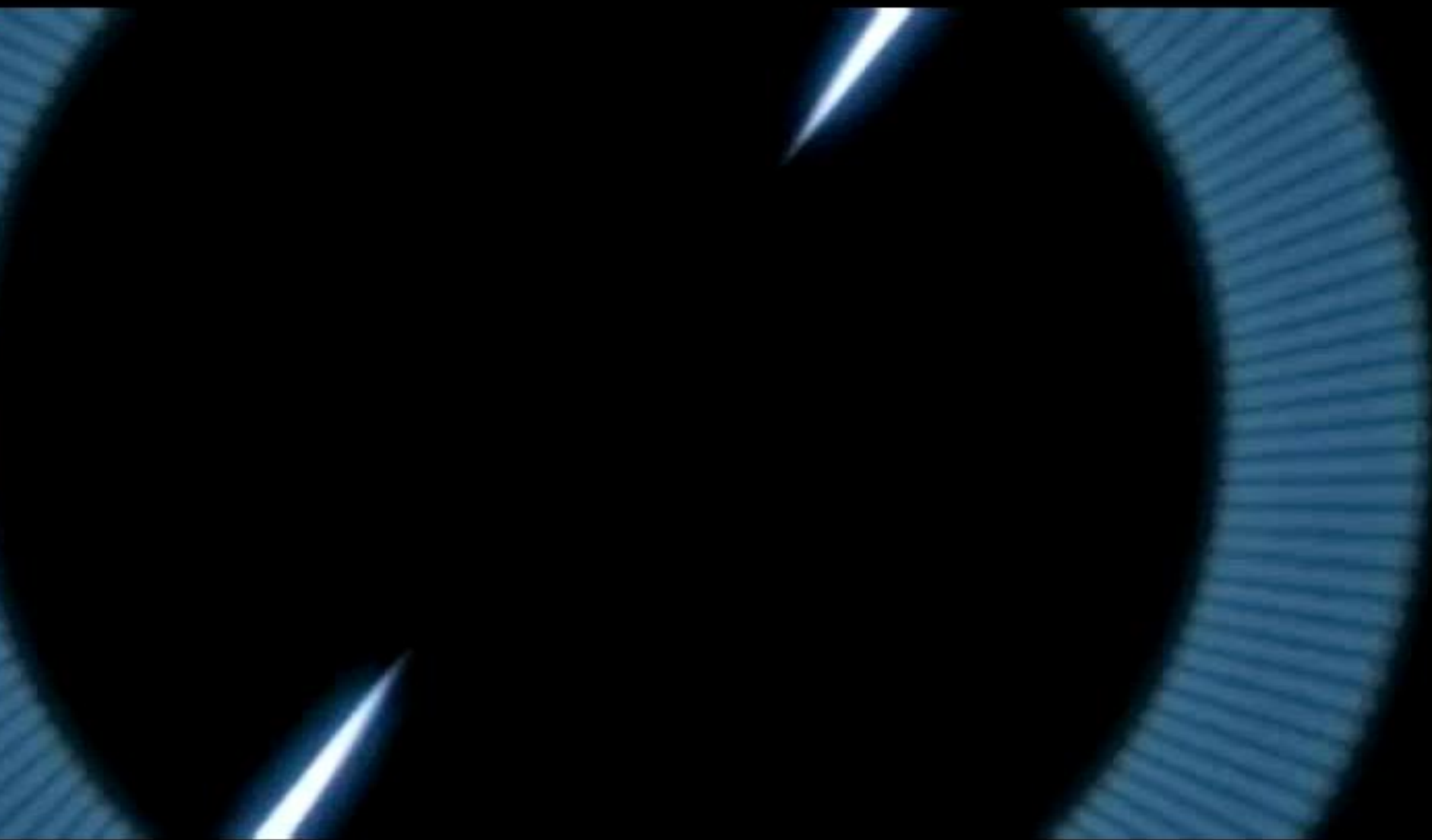
Hands-On Learning is **Real Learning**



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Hands-On Learning Fosters Creativity





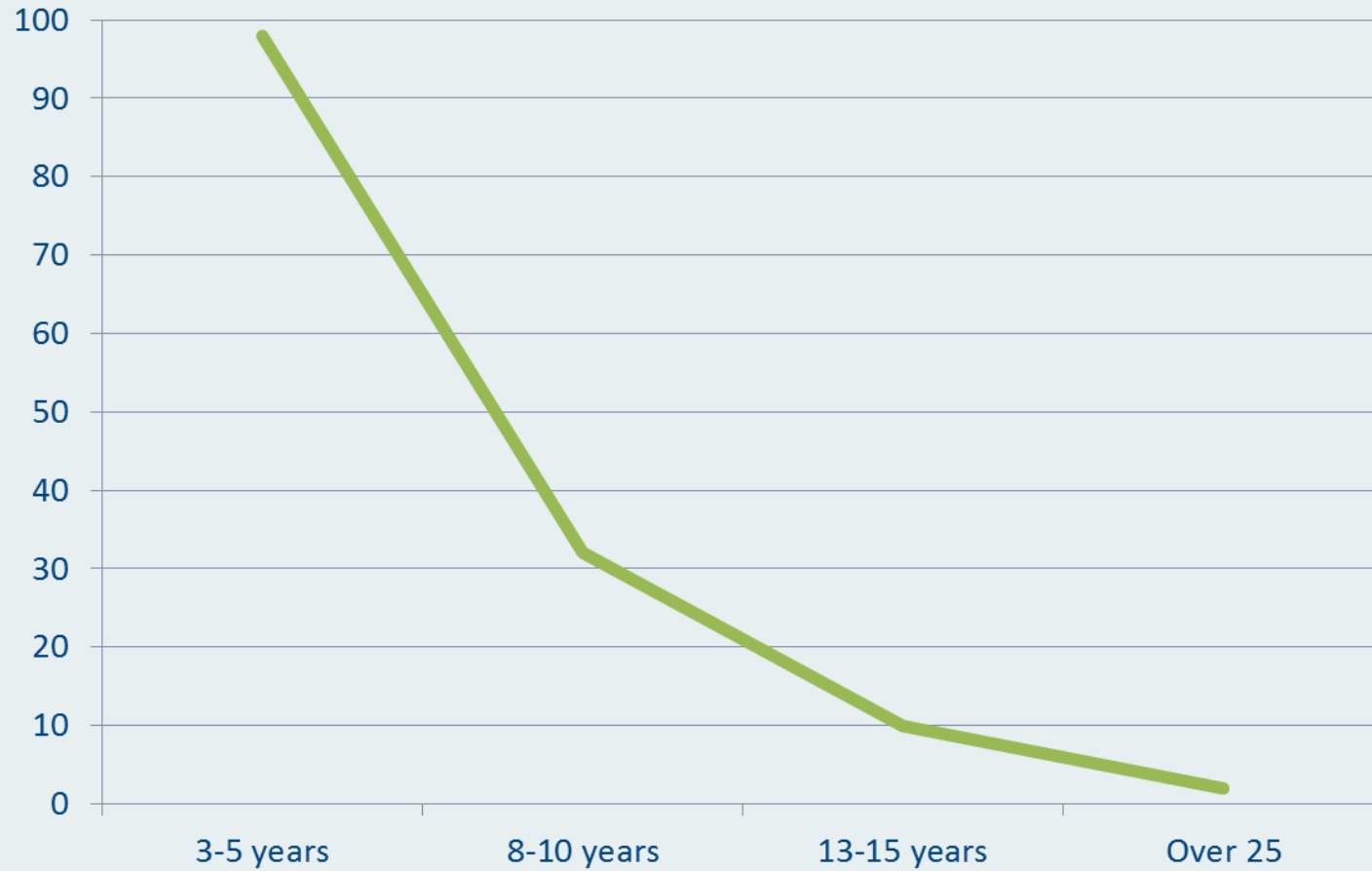
Build Challenge:

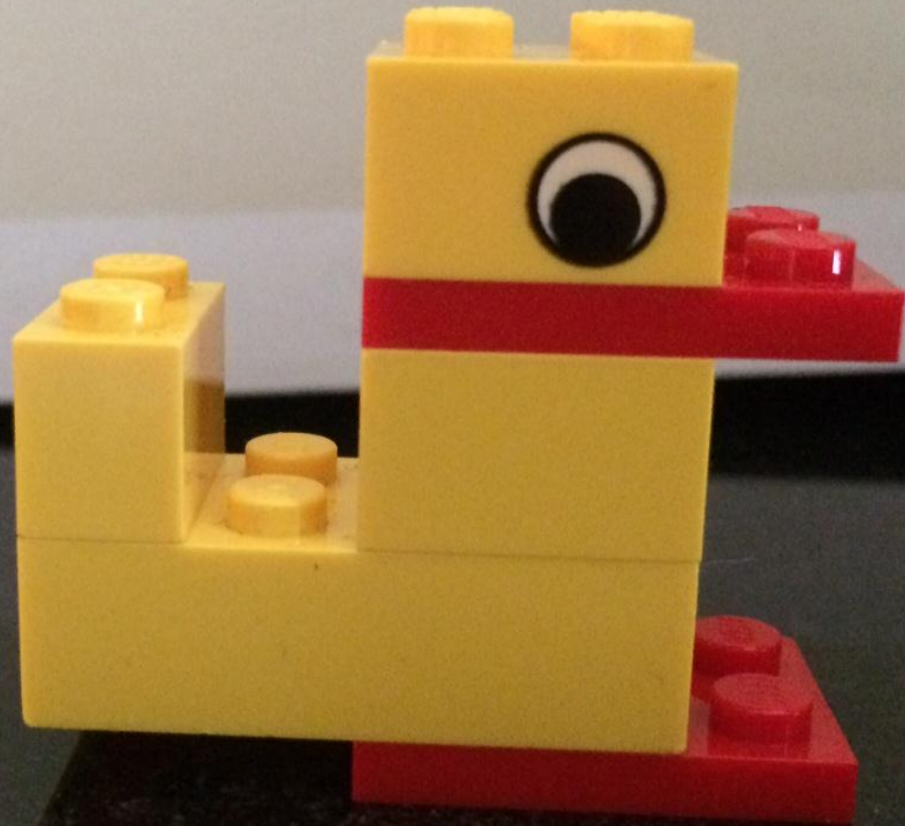


Build a **duck!**

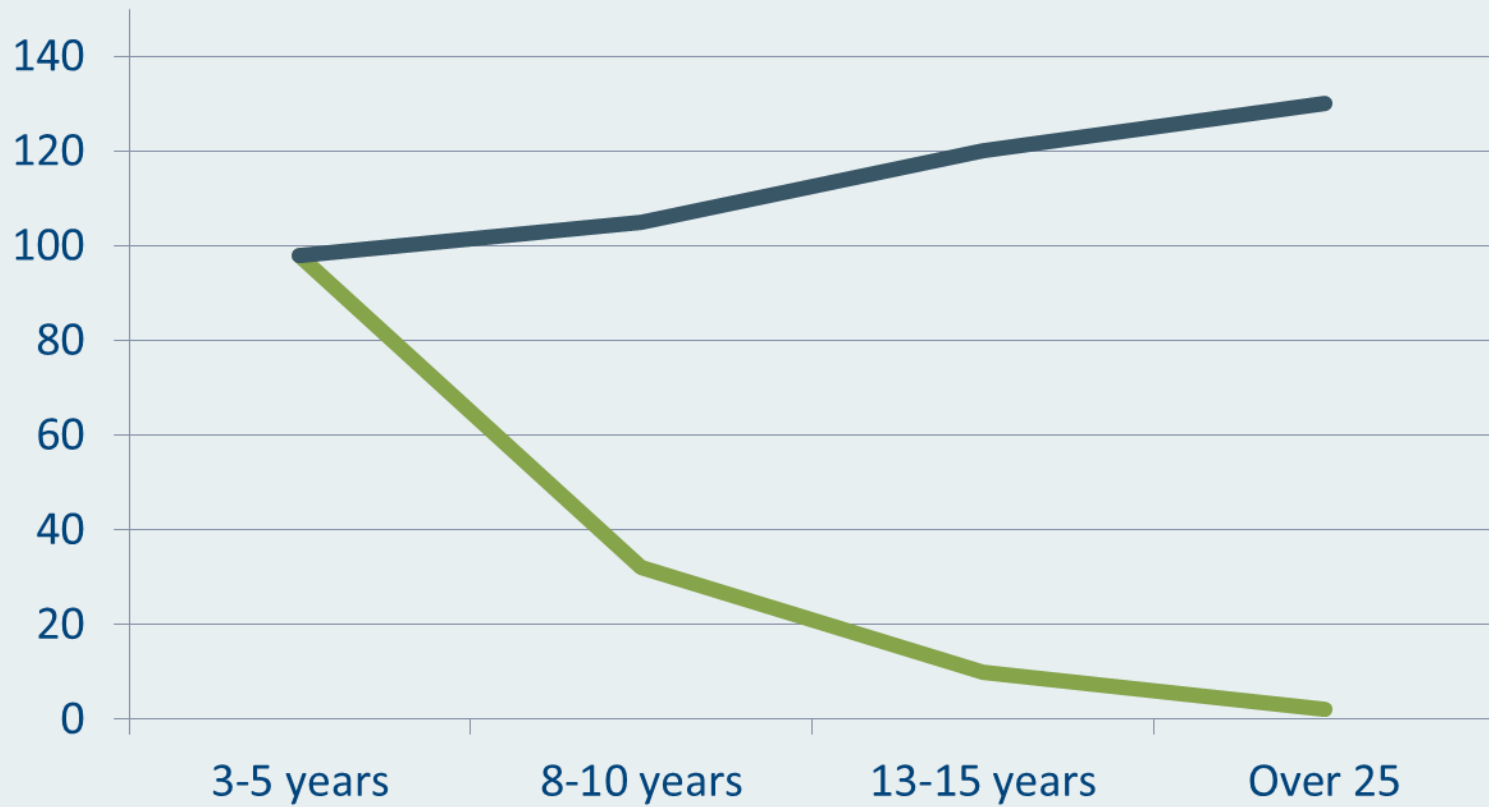


Torrance Test of Creative Thinking

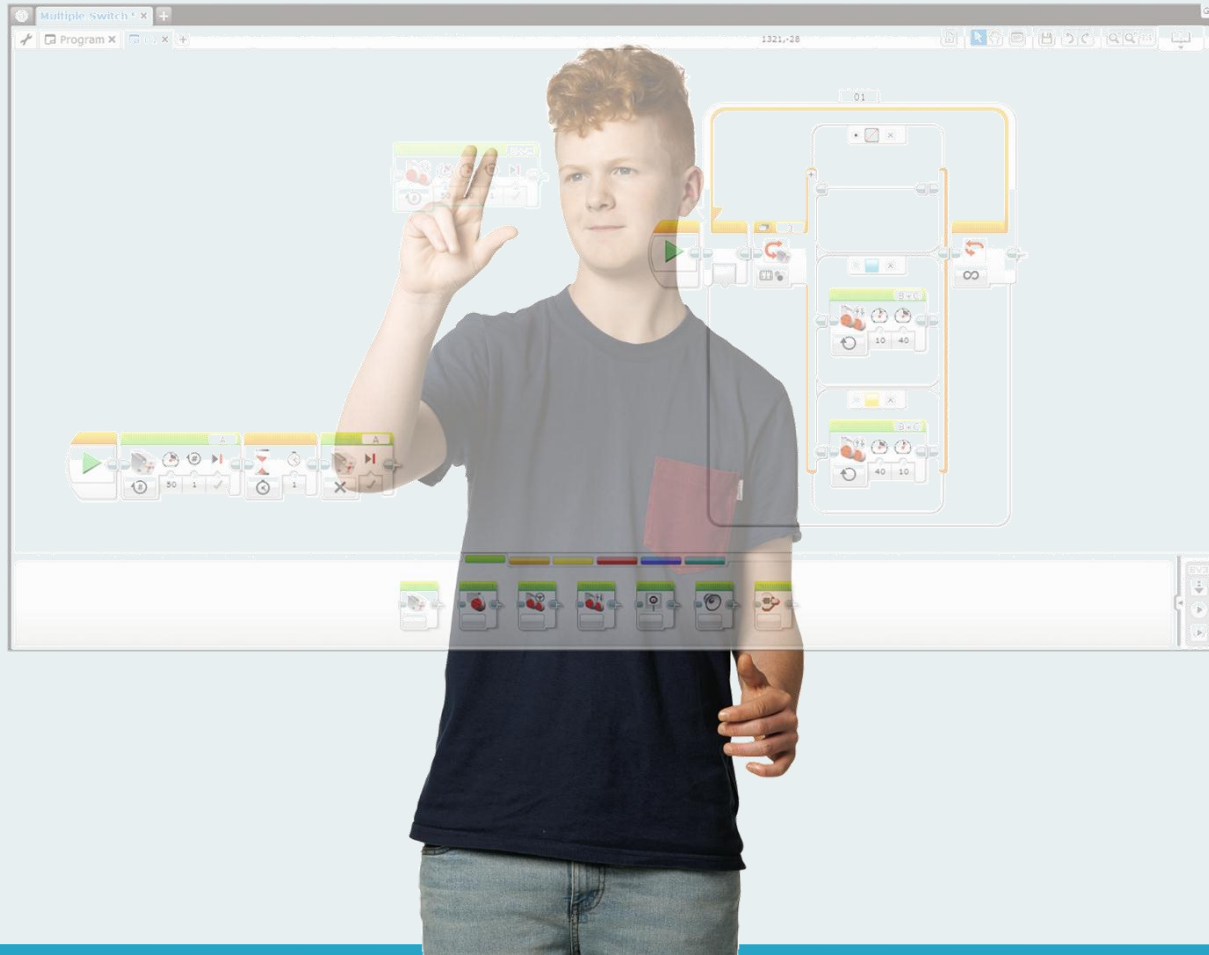




Creativity Potential



Hands-On Learning Encourages Failure





Critical Thinking And Problem Solving



Build Challenge:



Build a structure that
when viewed from
above has exactly 100
LEGO dots (studs).

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Hands-On Learning Inspires Teamwork





Monticello High Schools
Charlottesville, VA







Build Challenge:



Work with the person next to you. One of you build a model without showing your partner. Then stand back to back and instruct your partner how to build a copy of your model.

Hands-On Learning is **Real** Assessment





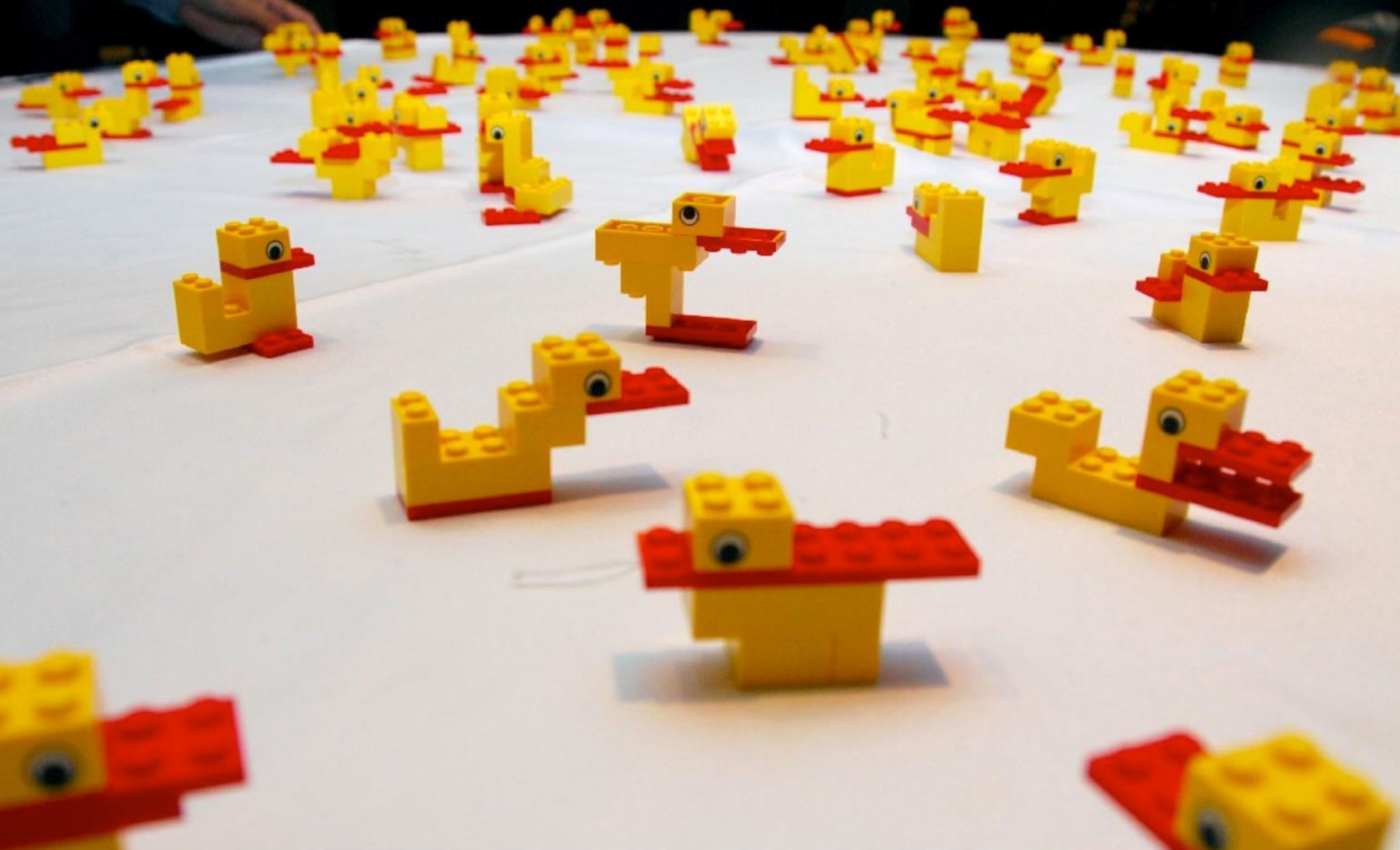
Test Question

LIST, IN ANY ORDER, THE FOUR SEASONS:

1. _____ 2. _____ 3. _____ 4. _____

67% of the students gave the following answer?

1.DOVE 2.DEER 3.DUCK 4.TURKEY



We are all **unique**

“The future is
already here;
It is just not very
evenly
distributed.”

- William Gibson



Getting It Right!

