

Korrekturhinweise

Children and math

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Begründungen

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Dr. Hrabowsky says: "And [we] had talked to parents who had raised children who had done well in math from the early years and there were several very important strategies. Number one: The parents had focused actually on strong reading skills. I'm a strong believer as a mathematician that students who will excel in math and science learnt to read and think critically." One of the most important pre-conditions for math is therefore to have good reading competence.

1

Dr. Hrabowsky says: "[...] and they've also come to understand connections between math and real life. So cooking is a great example, or food, using food and proportions." When preparing food with children we therefore teach them to relate math to real life.

2

The speaker says: "Well, I heard in your response is clearly something we in early childhood say and believe and know to be true; that young children need an integrated approach. So that you can't segment out, well: here's a couple of minutes of science, here is a couple of minutes of math, here is a couple of minutes of reading. It has to be integrated." Young children should therefore learn math together with other subjects.

3

Dr. Hrabowsky says: "[...] I think the more success children have the more excited they become about their work and so, parents and others want to work with children in such a way that they get the point that they are able to solve the problem." A child who could solve a mathematical calculation might therefore get a flash of excitement.

4

Dr. Hrabowsky says: "Interesting enough a number of my students at UNBC have parents who have strong backgrounds in science and engineering. Those students tend to be obviously the best prepared because they have been around it all their lives." Children with parents in science and technology therefore get excellent support.

5

Dr. Hrabowsky says: "[...] unfortunately, the vast majority of Americans are either afraid of math or just don't like it." Most grown-ups in America therefore have negative feelings about math.

6

Dr. Hrabowsky says: "And so what happens to children is that they are around parents who are not accustomed to saying 'Math is fun' or 'I like math' or 'Let's do some math together'." Children therefore get the best support from adults who have a positive opinion about math.

7

The speaker says: "Freeman, having graduated from college at 19 with highest honours in mathematics, you clearly have no issues with the subject."

Dr. Hrabowsky says: "I have to tell you, I was fortunate to have a mother who was both a math and English teacher, so that helped a lot." Dr. Hrabowsky's mother therefore taught mathematics as well as languages.