

UDL Research in 15 Minutes
David Rose
Timestamped Guide to 45 Minutes

:55 I warn you that this podcast will be longer than 15 minutes!

1:30 David's history and information about CAST.

2:50 David shares a story that we've never heard before (his Head Start beginnings).

3:50 His start in investigating the nervous system.

4:35 What got him started on this thinking about neuronal creation. Post-natal generation of neurons in the hippocampus of rats (1969)?

6:00 A little rat humor.

7:08 He is a consumer of research and how he looked at research .

8:43 When we met with the editor of Brain Research about publishing his research.

11:13 His credentials that paved the way for the 1984 beginning of CAST.

11:31 The beginning of CAST.

13:08 The Pioneers and the big transition from working on just the computer to using a tool in schools.

14:06 Assistive Technology. "You know what David; all we're doing is providing better access to boredom." And, when Universal Design for Learning was formed.

15:40 The consequence of asking for change within the school versus the students and the importance of mentors.

17:07 Ted Hasselbring (assistive technology). His simple program on a HyperCard and the impact it had on David and others from CAST. How he mentored the group.

21:05 Loui's question: What was in the research that kept you moving forward with these ideas?

21:33 The need for a substantial framework to be able to talk about this research.

22:00 When they shifted to thinking about the whole brain.

22:10 Something a lot of people don't know about the organization of the guidelines. The background about the brain that's embedded in the guidelines. How they worked

“up” the brain to show how we can fix the curriculum to supports students with different needs.

26:22 The criticism of the guidelines.

27:00 What was promising in the beginning?

28:21 Loui’s question. Is there a bigger emphasis on connecting cognitive sciences to education?

29:02 Diversity is a good thing and not a bad thing.

30:43 The future David is interested in.

31:07 Why it was great to know about the brain and how engagement become the focus. Where is the power of the brain?

34:33 Loui’s question: The US perspective. Has there been a shift? Is there an international agreement on this type of research?

34:55 Setting out a framework for guidelines revisions.

35:40 The international discovery. How does the framework intersect with culture?

38:25 Other areas of research that David is excited about.

38:32 What happens to the brain at the other end of the age continuum? What David is learning about dementia.

40:34 The emotional brain centers are the last piece to go.