



EDUCATION IN 2030 AND BEYOND IN THE COGNITIVE STATES

1. The end of university and school campuses.
 2. There will be no school nor university teaching classe.
 3. Technically oriented teacher will replace the teleprompter.
 4. Learning will target inventing and not testing to upkeep information.
 5. Students will teach each other in lieu of education.
 6. As in medicine, learning by the student will match medicine to patient.
 7. Artificial intelligence will permeate the information into the mind rather than save it.
 8. Brain absorptive capacity will compete against the computer.
 9. Education would be through the Internet of Things, we will learn and teach those things.
 10. There will be no printed books or exams to obtain certificates.
 11. There will be no ministries of education nor public education institutions.
 12. Knowledge and science will be available digitally.
 13. Transition of the educated human to the digitally innovative learner.
 14. Transition from the civil State to the innovative state where citizens are knowledge workers.
 15. Transition from the continuing education to continuous innovation.
 16. Learning is completely free with optional specialization.
 17. The knowledge revolution needs education (my book: the Brave Knowledge World.)
 18. Talal Abu Ghazaleh College of innovation – graduating inventors (students graduate through invention, not exam).
 19. We live in two worlds, real and virtual. The default is going to be the real world.
 20. Finland is leading the cognitive education revolution in the world (and not America, Britain or China).
 21. The cognitive education aims at the knowledge society.
 22. Eaton's head says that students will teach themselves and each other and professors become technical assistants rather than teachers.
 23. Harvard chief (Lawrence Summers) says: the knowledge revolution will collapse in the current educational system.
 24. Stanford head (John Hennessy) says: education would soon face the tsunami of digital revolution.
 25. (Thomas Friedman) says: there's a revolution hitting universities.
 26. Nathan Harden) says: we are facing the end of universities as we know them.
 27. Failure of the University (left: Zuckerberg / William Gates/Jobs / Dorsey Goering / etc.) Drop outs.
 28. SIRI system provides you with sound information (death of the libraries).
 29. Robots / AI / bioinformatics / nanotechnology /genetics – and others are the Sciences of the future.
 30. Finland will cancel teaching writing as requirements and turn into textual and smart boards.
 31. Finland is moving from teaching material (geography/physics/etc.) to teach phenomenon (Phenomena).
 32. Learning by research.
 33. Free and compulsory learning.
 34. Learning for democracy and patriotism.
 35. Education for all through an integrated online schooling (Connections Academy) worldwide.
 36. Internet for everyone at Super speeds.
 37. Half of the learning is Research, the other half is Vocational.
 38. Sweden is on its way to convert all government education institutions to the private sector.
 39. Radical change in academic requirements track at universities.
 40. Incorporate professional certification within the graduation requirements of the universities.
 41. Student graduates of the University ready for labor market career Academy and professional diplomas in his field of study. The accounting profession.
 42. Quote from H.E. Mr. Ahmed Abul Gheit, Chief of the Arab League: “the Arab world is between two options: either innovation or evaporation.”
 43. Current college education system began in the 18th century and will not continue.
 44. We need to learn skills not information (I never remember any information I studied).
 45. Within ten years an educated mind will be invented and introduced in our minds.
 46. The main focus would be on science, technology, engineering and mathematics (STEM) education.
 47. Programming learning is as essential as English learning in primary education.
- This is what we will find in knowledge communities as opposed to non-cognitive ones still using:**
1. Chalk and boards.
 2. Campuses.
 3. Book teaching system with “books” on the benches and tables
 4. Teaching to memorize and testing on what is confined to memory.
 5. Education to graduate job seekers.
 6. Ministries governing educational institutions.
 7. Unqualified teachers.
 8. Traditional, repetitive programs.
 9. Careless students.
 10. Ricketty computers and primitive techniques.
 11. An Internet, if available, at dreadful speeds.

