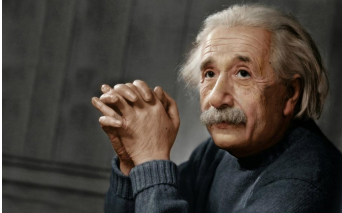
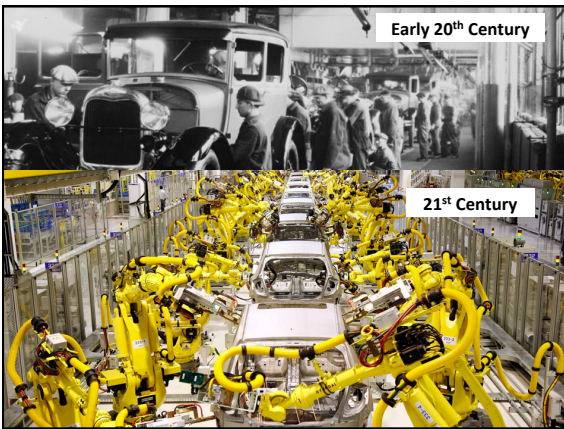


Staying Relevant in the Age of Robots and Artificial Intelligence



“Education is not the learning of facts, but training of the mind to think”
- Albert Einstein



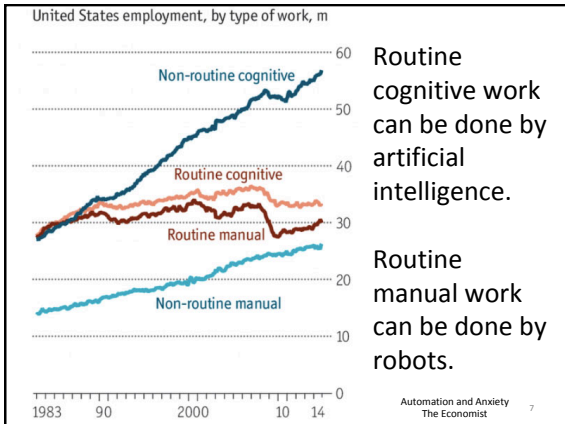
More Blue Collar Jobs Threatened by Technology

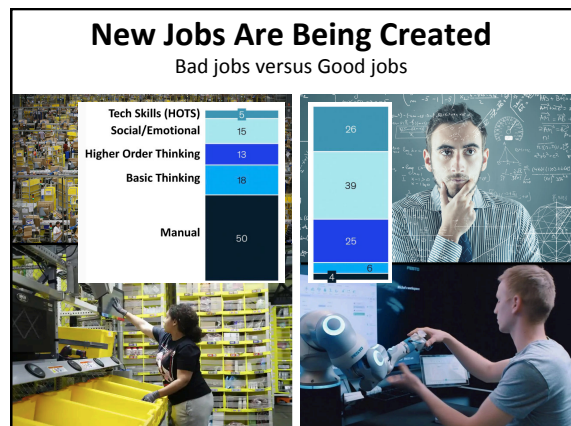
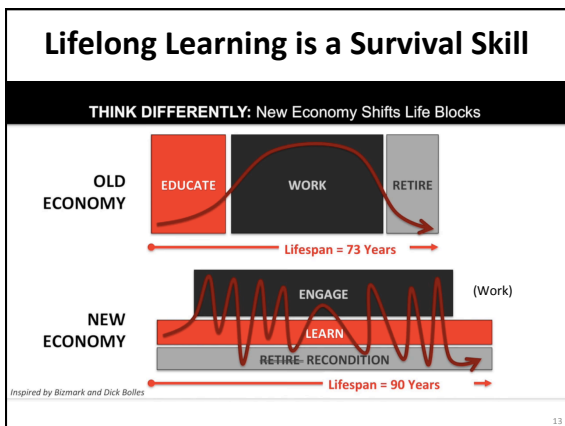
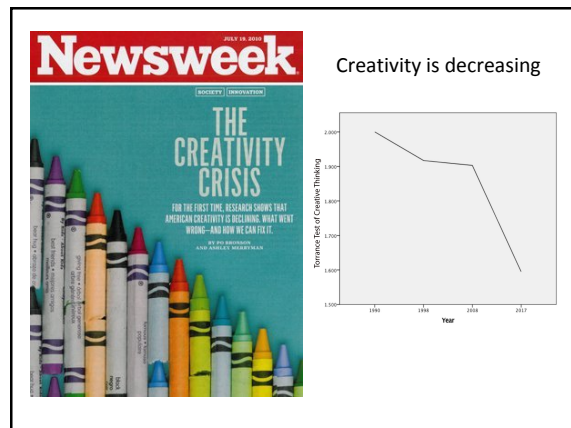
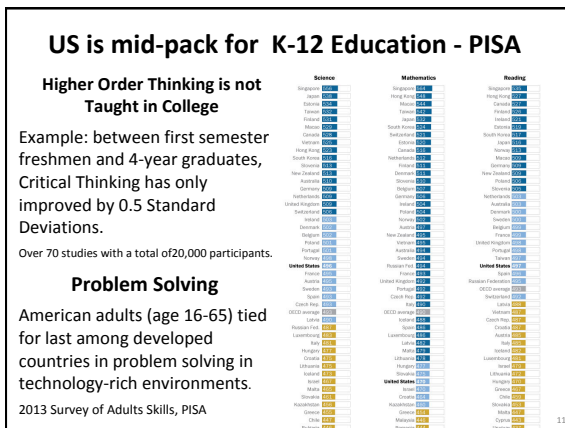
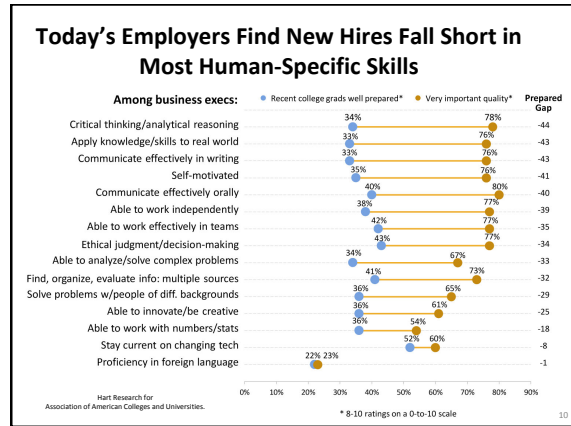
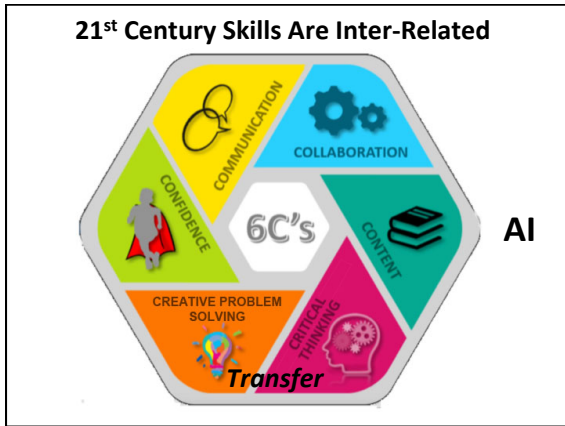
- Warehousing, inventory, shipping
- Construction (e.g. 3D printing using concrete or plastics)
- Food servers, cooks and busboys
- Phone receptionists
- Customer service
- Commercial drivers
- Sales
- Typists
- Travel agents
- More . . .



White Collar Jobs Lost to Artificial Intelligence

- Criminal Justice System: Policing, Bail, Sentencing, Parole
- Human Resources: Screening, Interviews, Hiring, Promotions
- Higher Ed: Admissions, Financial Aid, Teaching, Grading
- Medical Diagnosis
- Legal Discovery
- Financial Advisors
- News Reporters
- Online Marketers
- Airline Pilots
- More . . .



21st Century Skills Committee

Subject Matter Experts / Postsecondary Educators

David LaPorte, Professor
Biochemistry, CSE, U of MN
Critical Thinking

Dale Blyth, Professor Emeritus
Extension Center for Youth Development, U of MN
Social/Emotional Learning

Brad Hokanson, Professor
College of Design, U of MN
Creativity and Critical Thinking

Michael C Rodriguez, Professor and Interim Dean
Ed Psych, U of MN College of Education
Educational Assessments

Jim Smith, K-12 Consultant
No Limits Learning LLC
Assessment, Data

Steve Kelley, Senior Fellow
Hubert Humphrey School of Public Affairs, U of MN
Former Minnesota State Representative and Senator

Maria Gini, Professor
Engineering & Computer Science, CSE, U of MN
AI & Robotics, Computational Thinking

John Moravec, Education Futurist
Education Futures LLC, The World Bank

David Kimoni, Associate Professor
College of Education, Minn State – Mankato
Pre-service teacher training and Professional Development

Practicing Educators & Administrators

Jay Haugen, Superintendent
Farmington Public Schools
Minnesota Association of School Administrators (MASA)
2019 MASA Superintendent of the Year

Noel Schmidt, Ph.D., Superintendent
Virginia Public Schools
Iron Range

Amy Winter, Principal, former teacher
Richfield STEM Elementary
Magnet school without a neighborhood base

Seth Thompson, Hub Director
InSILEd Out, College of Biological Sciences, U of MN

Rainer Hoarbusch, Dean
Career & Technical Education
Saint Paul College, Minnesota State

Dr. Emily Lijja Palmer, Principal
Washburn High School
Pais Middle School Principal

Dr. Allison Gillespie, Principal on Special Assignment
White Bear Lake Area Schools

Dr. Jaysen Anderson, Principal
Bloomington Jefferson High School

Kelli-Ann Binkowski, Specialist
EdTech, CSE, U of MN; 18 years high school teaching

Zeke Jackson, Sophomore
U of M, educational advocate