



HARYANA 2047

A vision plan for a
'Future ready Haryana'

NAVIGATING AND ADDRESSING FUTURE TRENDS:

A compendium of resources for insights and action

WG1: EDUCATION, SKILLING, AND EMPLOYMENT

Compendium of Resources WG1 Education, Skilling, and Employment

Signal Specific Resources:

1. Skills and Jobs mismatch (Linkages with Industries)

a. [How the Industrial Revolution changed childhood](#)

Certain elements of childhood -- school, play, homework -- are often considered universal by those who live in industrial societies. Evolutionary anthropologist Dorsa Amir draws from her time living in foraging societies to explain how the post-industrial experience of childhood is a relatively new development for humanity with wide-ranging implications for child development and parenting.

Through a captivating narrative, Amir delves into historical shifts brought about by industrialization, revealing how societal changes influenced the lives of children. Drawing from research in psychology and sociology, the talk examines how industrialization altered family dynamics, education systems, and societal perceptions of childhood. By shedding light on this transformative period in history, Amir prompts reflection on the evolving nature of childhood and its implications for contemporary society.

b. [Insights into skill shortages and skill mismatch](#) (Part 1 from Pg 18-37)

c. [Skills and jobs mismatches in low- and middle-income countries.](#)

2. Challenges in Entrepreneurship and Employment

a. [Challenges for young entrepreneurs: Max Gouchan at TEDxBergen](#)

Max believes that one can acquire success through entrepreneurship and that education is not necessary the right way for everyone. After dropping out of high school and starting a supply company to the petroleum sector, Max has become one of the most successful young entrepreneurs in Norway.

In the spirit of ideas worth spreading, TEDx is a program of local, self-organized events that bring people together to share a TED-like experience. At a TEDx event, TEDTalks video and live speakers combine to spark deep discussion and connection in a small group. These local, self-organized events are branded TEDx, where x = independently organized TED event.

b. [A Study on Challenges Faced By Entrepreneurs](#)

3. Uniformity of Quality Education

a. [Uniformity and Diversity of Components of Teacher Education](#)

b. [One Laptop per Child](#)

The TED Talk by Nicholas Negroponte, titled "One Laptop per Child," presents a visionary initiative aimed at revolutionizing education through technology. Negroponte shares his groundbreaking idea of providing affordable laptops to children worldwide, with the belief that access to digital tools can empower and transform learning experiences. He discusses the challenges and successes of the One Laptop per Child project, highlighting its impact on education in developing countries. Through compelling anecdotes and data-driven insights, Negroponte advocates for the importance of bridging the digital divide to unlock the potential of every child, regardless of their socioeconomic background. This talk offers a glimpse into a future where technology serves as a catalyst for educational equity and empowerment on a global scale.

4. Adapting MSMEs to New Technologies, Global Standards, and Green Economy

a. [Gearing up the Indian workforce for a green economy](#)

b. [Education and Skills for Inclusive Growth, Green Jobs and the Greening of Economies in Asia](#)

c. [Harnessing opportunities from the circular and green economy: Compendium of guidance resources for micro, small and medium-sized enterprise development](#)

5. Changing role of Teachers and Skill providers

a. [Teachers, Resources, Assessment Practices: Role and Impact on the Curricular Implementation Process](#)

b. [The Role of Teaching and Learning Aids/Methods in a Changing World](#)

6. Social Security for Gig and Unorganised Workers

a. [India: Rules Governing the Gig Economy](#)

b. [Social Security Provisions and Schemes for Ground Functionaries](#)

Other Resources:

Videos

1. [WINGS: The 5 primary skills for the future of work | Walter Vandervelde | TEDxVilvoorde](#)

In a fast-changing world, what are the 5 vital skills you will need to be successful in your career? Walter will reveal how to develop what he calls your WINGS to embrace your future.

Creativity is a mindset. And undoubtedly, together with a handful of other competencies, one of the last differentiators to give us an unfair advantage on digitally driven intelligence. Walter Vandervelde is a professor, speaker and author in Creative Thinking and a strong believer in the human capacity to grow and change things for the better. Therefore, he encourages people to combine lifelong learning by adopting sustainable growth skills. A future-oriented vision that he puts into practice as Project Lead Continuing Education at the Erasmus Brussels University of Applied Sciences and Arts. Creativity is a mindset. And undoubtedly, together with a handful of other competencies, one of the last differentiators to give us an unfair advantage on digitally driven intelligence. Walter Vandervelde is a professor, speaker and author in Creative Thinking and a strong believer in the human capacity to grow and change things for the better. Therefore, he encourages people to combine lifelong learning with adopting sustainable growth skills. A future-oriented vision that he puts into practice as Project Lead Continuing Education at the Erasmus University College Brussels.

2. [3 Skills to thrive in the workplace](#)

The everchanging and expanding work force has incoming adults stumped and confused on what employers are looking for in the ideal candidate. Taj Pabari, explores the three skills everyone needs to have to thrive in the new, dynamic work environment.

In this engaging presentation, Grant explores the essential skills needed to succeed in today's dynamic work environments. Drawing from his extensive research and real-world examples, he highlights three key attributes: Givership, taking initiative, and neurodiversity. Grant emphasizes the importance of cultivating a giving mindset, proactively seeking opportunities, and embracing diverse perspectives to foster innovation and success in the workplace. Through insightful anecdotes and practical advice, he inspires audiences to develop these skills and thrive in their professional endeavors. This TED Talk serves as a valuable resource for individuals seeking to enhance their workplace performance and make a meaningful impact in their careers.

3. [Future Skills: How to upskill humankind for a better future | Dr. Arndt Pechstein | TEDxDanubia](#)

Future Skills make us relevant in face of radical breakthroughs in AI and help us tackle gigantic global challenges. They are inevitable to be future-ready in an increasingly uncertain, fragile, and accelerated VUCA world. Future Skills spur a growth mindset, enable us to overcome learned helplessness, and help us close our skill gap, unfolding our entire human potential. With the Future Skills Navigator, Arndt Pechstein presents a holistic and comprehensive tool to identify, learn and apply future skills to co-create a better future for individuals, organizations and society. Dr. Arndt Pechstein is an energetic blend of a neuroscientist, serial and award-winning entrepreneur, business coach, and passionate human being. Arndt holds a PhD in neuroscience and has specialist backgrounds in future skills, biomimicry, agile methods & organizational development. As management consultant, co-creator of the Future Skills Navigator, and initiator of the Hybrid Thinking approach, he guides individuals and organizations toward future-readiness. Arndt is lecturer for Future Studies, Responsible Innovation, Circular Economy, Systems Thinking, and Enterprise Agility at various prestigious universities in Europe. His mission is shaping a just, sustainable, and desirable future for humans and planet. His Credo is: "Don't just be successful, be significant!".

4. [Returning to school mid-career? Here's what you need to know](#)

Are you thinking of returning to school? Educator Candice Neveu shares three challenges you might face continuing your education mid-career — and three mindset shifts to speed up your learning, improve your confidence and achieve the results you want.

The TED Talk titled "Returning to School Mid-Career: Here's What You Need to Know" by Candice Neveu offers valuable insights and advice for individuals considering going back to school later in their careers. Neveu, drawing from her own experiences, discusses the challenges and opportunities that come with returning to education after establishing oneself in the workforce. She emphasizes the importance of thorough research and planning, highlighting factors such as program flexibility, financial considerations, and the potential impact on work-life balance. Neveu also shares practical tips for navigating the transition, including seeking support networks, leveraging existing skills, and maintaining a growth mindset. Overall, her talk provides encouragement and guidance for those contemplating a mid-career return to education, empowering them to make informed decisions and pursue their academic and professional goals.

5. [The Future of Education: A Student's Perspective | Anna Nixon | TEDxSalem](#)

17-year-old, Anna Nixon co-founded STEM4Girls, a non-profit organization that works to get more girls involved in STEM activities and shares the importance of education for youth and what adults can do to help.

Interpretation for TEDxSalem V (2018) was provided by student interns through a collaboration between Western Oregon University, TEDxSalem, and the Deaf and interpreting communities of Oregon. The volunteer student interpreters were supported by volunteer, certified interpreters in order to minimize potential errors. Your support of these pre-professional interpreters' growing skills is appreciated. 17 year old Anna Nixon is currently a senior in high school. She has grown up with an avid interest in STEM because her parents used to bring home the latest gadgets for her and her siblings to play with. The first time she worked with robots was in elementary school and she has been competing in robotics competitions since she was 7 years old. Nixon's passion for science and technology led her to co-found STEM4Girls, a non-profit organization that works to get more girls involved in STEM activities. She is also currently working at Autodesk on the Synthesis team to create a simulator so that robotics teams can test their code and their designs in a virtual environment.

6. [The Essential Skills Education Forgot](#)

Tom talks about the importance of actively pursuing new ways of learning. And, how changing the skills and capabilities we value in early-stage education, could help us move forward better as a society.

The TED Talk titled "The Essential Skills Education Forgot" by Tom Ravenscroft sheds light on the inadequacies of traditional education systems in preparing individuals for the complexities of the modern world. Ravenscroft argues that while traditional education focuses primarily on academic knowledge and standardized testing, it often neglects crucial skills necessary for success in life and work. Drawing from his experiences as an educator and entrepreneur, Ravenscroft advocates for a shift towards a more holistic approach to education that prioritizes essential skills such as critical thinking, creativity, collaboration, and resilience. Through engaging anecdotes and thought-provoking insights, Ravenscroft challenges viewers to rethink the purpose and priorities of education, emphasizing the importance of equipping individuals with the skills they need to thrive in an ever-changing global landscape.

7. [Skills Every Child Will Need to Succeed in 21st century](#)

Is the current education system sufficient to make kids succeed in 21st century? Dr. Laura believes otherwise. Her talk will ensure that you and your kids are prepared to succeed in 21 century.

In her TED Talk titled "Skills Every Child Will Need to Succeed in 21st Century," Dr. Laura A. Jana explores the essential abilities and competencies required for children to thrive in today's rapidly evolving world. Drawing upon her expertise in pediatrics and early childhood development, Dr. Jana discusses the importance of fostering critical skills beyond traditional academic subjects, such as creativity, collaboration, adaptability, and problem-solving.

Through engaging anecdotes and insightful observations, Dr. Jana highlights the necessity of equipping children with a diverse set of skills that will enable them to navigate an increasingly complex and interconnected global landscape. She emphasizes the significance of cultivating lifelong learning habits and fostering a growth mindset from an early age, empowering children to embrace challenges and embrace opportunities for growth.

Dr. Jana's talk serves as a compelling reminder of the evolving nature of education and the importance of preparing children not only for academic success but also for personal fulfillment and success in the 21st century. Her insights provide valuable guidance for parents, educators, and policymakers alike as they seek to support the holistic development of children in today's rapidly changing world.

[8. What Are the Skills For the Future Workforce? | Robin Landsman | TEDxPeddieSchool](#)

What Are the Skills For the Future Workforce?

Lauren Schnipper began her career producing on Broadway where she helped mount several shows including Fiddler on the Roof. In 2011, Lauren partnered with Shane and together they produced over 80 sketch videos, launched the podcast Shane and Friends, co-created Losin' It for NBC and in 2014 she produced Dawson's feature film directorial debut Not Cool. Lauren also produced the TV pilot for The Annoying Orange for Cartoon Network as well as some notable short films including K.I.T., an official selection of the Sundance and AFI Film Festivals. Lauren currently works at Facebook on the Media Team leading partnerships with digital talent and comedians. Schnipper is a graduate of The George Washington University and Peddie School.

[9. Augmenting Education](#)

The skill of sustainable education is extremely important today than ever before. Combining affective and personalized learning with emerging technologies can bring unexpected results. How can we focus on creating skills for the future jobs?

The TED Talk titled "Augmenting Education" features Daria Yegorina, who explores innovative ways to enhance education through technology. Yegorina delves into the potential of augmented reality (AR) and virtual reality (VR) to revolutionize the

learning experience, making it more engaging, interactive, and accessible. Drawing from her expertise in AR and VR development, she discusses practical applications of these technologies in classrooms, museums, and beyond, offering insights into how they can bridge gaps in traditional education systems and foster creativity and critical thinking among students. Yegorina's talk serves as a compelling glimpse into the future of education, where immersive technologies play a pivotal role in shaping a more dynamic and inclusive learning environment.

10. [Khan Academy founder Sal Khan on AI and the future of education](#)

"Rethinking with Adam Grant" podcast features an insightful conversation with Sal Khan, the founder of Khan Academy, delving into the transformative potential of artificial intelligence (AI) in education. In this episode, Khan discusses how AI is reshaping the future of learning, offering personalized and accessible educational experiences to learners worldwide. From adaptive learning platforms to the democratization of knowledge, Khan explores the profound impact AI can have on education, making it more inclusive and effective. Tune in to gain valuable insights into the intersection of AI and education from one of the pioneers in the field.

Articles

1. [Navigating future of skill development and job creation](#)
2. [The Future of Jobs and Jobs Training](#)
3. [Academician sees need for skill development in higher education to enhance employability among students](#)
4. [The future of education and skills Education 2030](#)
5. [The Future Of Education Is Agile, Innovative, And Fun](#)
6. [The future of education in India: Predictions and trends](#)
7. [The Future of Education](#)
8. [Jobs lost, jobs gained: What the future of work will mean for jobs, skills, and wages](#)
9. [Future Of Work: What Job Roles Will Look Like In 10 Years](#)
10. [What is the future of work?](#)