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Intel® Skills for Innovation Planning Toolkit Overview

Introduction to Intel® SFI Planning Toolkit

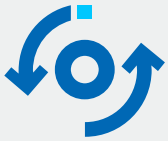
The Covid-19 pandemic showed us that education systems are fragile. Many were unprepared to deal with school closures and the corresponding transition to remote learning. Countries which had been regularly investing in contingency planning, infrastructure upgrades, and teacher development activities quickly transitioned from reacting to creating much-needed stability, while others fell behind.

For education systems, a much larger disruption than the pandemic looms just over the horizon. Called the Fourth Industrial Revolution (4IR), it is underpinned by rapid technology advances in artificial intelligence, connectivity, and digitalization. It will fundamentally transform the way our societies live, work, and play. The global pandemic has accelerated this transition. For students to thrive in the future, our education systems must develop new qualities and abilities. They must be adaptive in the delivery of learning experiences, facilitate skill building, and prepare students for the future job market.

Intel® SFI Planning Toolkit helps align education stakeholders—including administrators, curriculum planners, IT professionals, content developers, professional development specialists, and more—around a common vision of creating resilient education systems and adopting technology to embrace anywhere learning and skill building.

Intel has designed this Planning Toolkit to help education decision makers to:

Understand education trends so they can plan for more a resilient education system



Respond to the post-pandemic environment and changing skill requirements

Rethink technology use in education to maximize skill-building outcomes

Establish an action plan to effectively use technology for future readiness

> Automation, advanced manufacturing, AI, and the shift to e-commerce are dramatically changing the nature of work. Workers from all walks of life need to prepare for the impact they'll see in their fields—and prepare for jobs that don't exist yet, but will be a core component of thriving in a new global economy.
>
> **Richard Branson**

What Is in the Intel SFI Planning Toolkit?

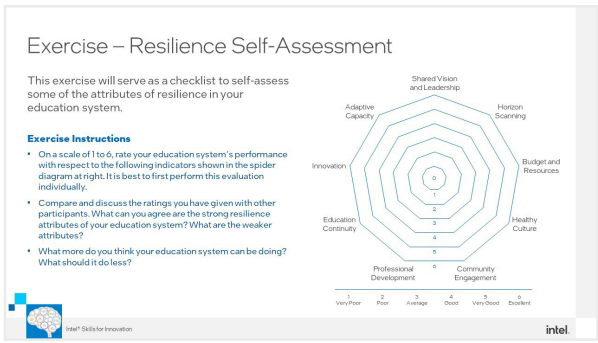
The Intel SFI Planning Toolkit includes a workbook which is continuously being updated and expanded.

At this time, the workbook covers the following topics:

1. The Future of Education
2. Adopting a New Vision for Education
3. Enhancing Education System Resilience
4. Bridging the Industry Skills Gap
5. Developing an Action Plan

Addendum: Aligning the Intel SFI Initiative with International Skilling Frameworks

In addition to the workbook, experts are available to lead your team in one or more workshops (each 45-60 minutes), either in person or virtually. These experts will be able to facilitate your planning process and work closely with your team to customize the workshop to fit your needs.



Finally, the Intel SFI Planning Toolkit includes regularly scheduled webinars covering emerging trends in education. Webinars help keep decision makers and stakeholders current on the latest trends that are expected to impact their education systems. Webinars are announced on skillsforinnovation.intel.com.

The following pages provide a sneak preview of the content and exercises covered in the planning toolkit. Each page includes the topics addressed as well as a sample exercise encouraging reflection, discussion, and alignment among stakeholders.

Topic 1

The Future of Education

Education is a long-term endeavor. In most education systems, students undergo anywhere from 12 to 14 years of formal schooling before entering tertiary education or the workforce. Given the long time scale involved, it makes good sense to start with understanding the trends that are likely to shape the world–and the future of education–for the next decade or more.

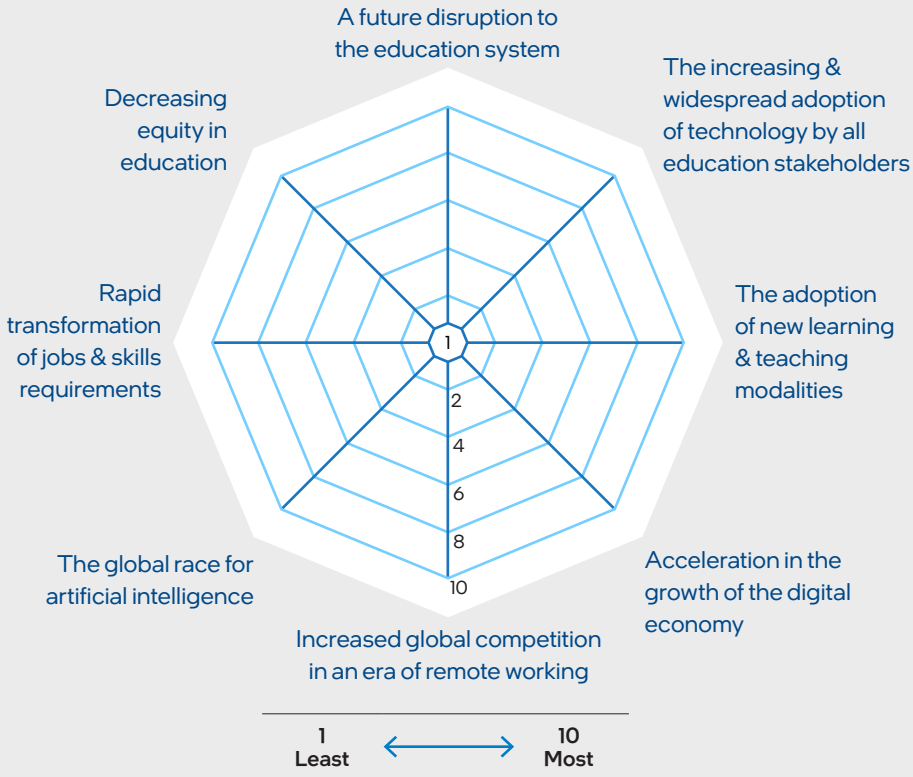
Sub-topics include:

Long-Term Pandemic Impact on the Future of Education	Emerging Economic, Technology and Societal Trends	Addressing Change Proactively

Workshop Exercise Example: Trend identification & selection

In this exercise, we will be reflecting on the impact of the trends shared earlier on your education system.

1. Rate the impact of these trends on your education system.
2. Rate the preparedness of your education system to address trends.
3. What do you recommend that your education system do more to address trends?



Ready to Get Started?

Sign up for the Future of Education Workshop, a 45-minute event available in person or virtually, led by experts who can work closely with your team to facilitate the planning process.

Topic 2

Adopting a New Vision for Education

The second topic introduces a thoughtful approach for decision makers to transition from understanding future trends to developing a new vision for education that serves the needs of all their education stakeholders.

Sub-topics include:

- Developing Scenarios for the Future of Education
- Aligning Stakeholders Behind a New Vision
- OECD: Future of Schooling 2040 Scenarios
- Crafting a Plausible Vision for Your Education System
- Coming Up with a Future-Proof Strategic Approach

Workshop Exercise Example: Futures triangle

In this exercise, we will be using the Futures Triangle developed by Sohail Inayatullah to develop a plausible vision for our education system.

1

Identify the weight of history
- What is holding us back?
- What are the barriers to change?
- What are the deep structures that resist change?

2

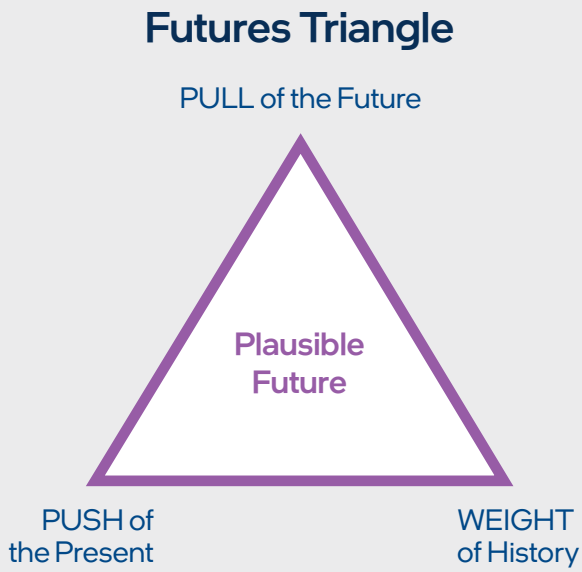
Identify the push of the present
- What trends are pushing us towards a particular future?
- What drivers and trends are changing the future?

3

Identify the pull of the future
- What is pulling us towards a particular future?
- Are there competing images of the future?
- What are the compelling images of the future?

4

Create a plausible vision for the future of education



Ready to Get Started?

Sign up for the Adopting a New Vision for Education Workshop, a 60-minute event available in person or virtually, led by experts who can work closely with your team to facilitate the planning process.

Topic 3

Enhancing Education System Resilience

The third topic leads participants through an analysis of the steps to be taken to improve the resilience of their education system, in light of key trends and scenarios impacting education that point to an increasing frequency of systemic disruptions in the next decade or longer.

Sub-topics include:

Resilient Education Systems, Resilient Schools	Assessing Resilience	Resilience-Building Actions

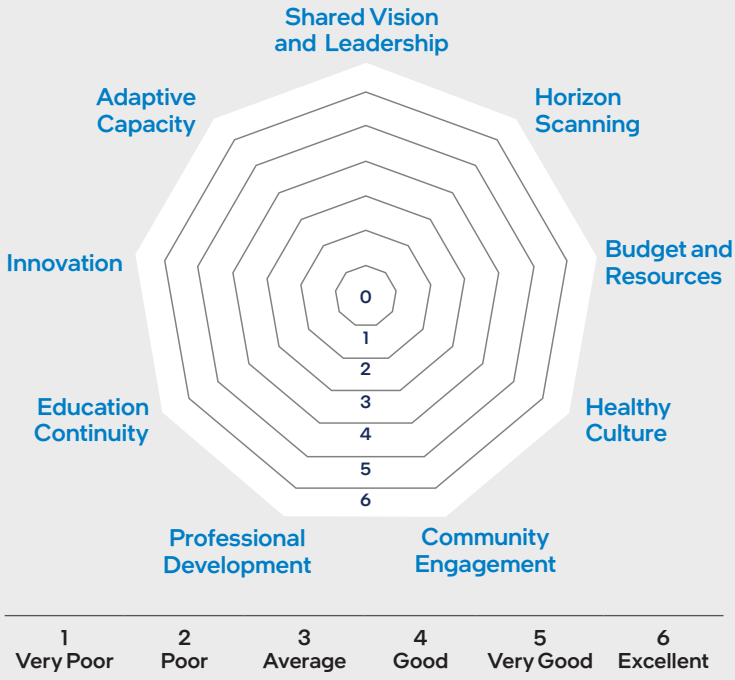
Workshop Exercise Example: Resilience self-assessment

This exercise will serve as a checklist to self-assess some of the attributes of resilience in your education system.

1. Rate your education system's performance with respect to the indicators shown in the spider diagram at right.

2. Compare and discuss the ratings you have given with other participants. What can you agree are the strong resilience attributes of your education system? What are the weaker attributes?

3. What more do you think your education system can be doing? What should it do less?



Ready to Get Started?

Sign up for the Enhancing Education System Resilience Workshop, a 45-minute event available in person or virtually, led by experts who can work closely with your team to facilitate the planning process.

Topic 4

Bridging the Industry Skills Gap

The fourth topic considers the actions that need to be undertaken to prepare students with the skills needed for emerging and future jobs and explores how technology can help accelerate skills development.

Sub-topics include:

The Urgency to Accelerate Skills Development	Skills of the Future	Bridging Skills to the Classroom	Reimagining Technology Skills Development

Workshop Exercise Example: Choosing the right tech device & learning environment for skill building

In this exercise, we discuss the trade-offs faced by education decision makers in four skill-building scenarios as they make choices around learning environments and technology devices.

Scenario 1	Scenario 2	Scenario 3	Scenario 4
Integrating Skill Building into the Curriculum	Transiting to Problem-Based Learning	Improving Equity in Skill Development	Building Up from Low ICT Literacy

Ready to Get Started?

Sign up for the Bridging the Industry Skills Gap Workshop, a 60-minute event available in person or virtually, led by experts who can work closely with your team to facilitate the planning process.

Topic 5

Developing an Action Plan

The fifth topic focuses on how the Intel® Skills for Innovation (Intel® SFI) Initiative can support the efforts of decision makers around the world to successfully address the gaps in their education systems.

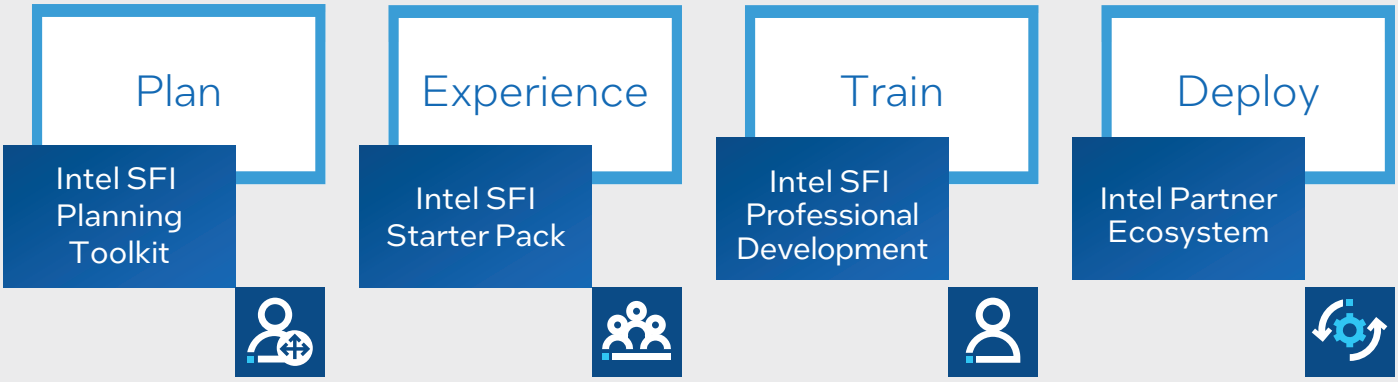
Sub-topics include:

Intel SFI Initiative	The Intel SFI Implementation Framework	Supporting Education System Resilience and Skill Building	Alignment of the Intel SFI Initiative with Global Skilling Frameworks

Workshop Exercise Example: Integrating the Intel SFI Implementation Framework into your action plan

Discuss with other workshop attendees how the Intel SFI Implementation Framework could be integrated into your action plan to help enhance education system resilience and equip students with higher-order skills needed in the future job market.

Adoption Framework & Programs



Ready to Get Started?

Sign up for the Developing an Action Plan Workshop, a 60-minute event available in person or virtually, led by experts who can work closely with your team to facilitate the planning process.

Ready to Get Started?

Intel SFI Planning Toolkit is designed to align education decision makers and their stakeholders on a common vision for creating resilient education systems and adopting technology to exploit anywhere learning and skill building. The program is available under license from Intel. For more information about how to deploy Intel SFI Planning Toolkit in your education environment or to find out more about the Intel SFI planning workshops, please contact your Intel Technology Provider.

For more information, visit skillsforinnovation.intel.com.

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