



Intel® Skills for Innovation

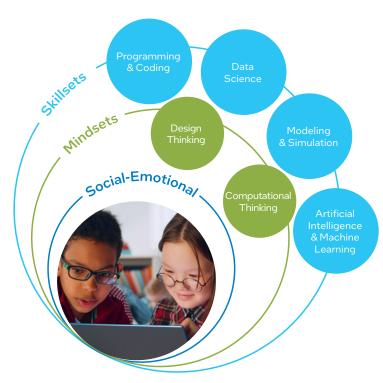
Starter Pack Overview

The Starter Pack lessons can lead to some really powerful learning, especially in regards to connecting content with purposeful digital projects. Technology can be a strong tool and with an ever-growing and developing world, digital skills are essential for students to have.

Kerry H.

Teacher, The Ovington School, Brooklyn, New York

Intel® Skills for Innovation Framework



Targeted Mindsets & Skillsets

The Intel® Skills for Innovation (Intel® SFI) Framework envisions a world in which students possess the skills necessary to meet the shifting landscape of the Fourth Industrial Revolution. Students are empowered to be innovators as they prepare for, imagine and create the jobs of the future.

The framework provides a direction for decision makers and educators to integrate technology activities into the existing curriculum to build essential mindsets and skillsets.

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Path to Adopting Intel Skills for Innovation

Plan

Understand new skill requirements in the post-pandemic environment. Rethink technology's role in education system to foster skill building.



Intel® SFI Planning Toolkit

For Decision Makers Modular workshops and planning workbook

Experience

Experience technology used for skill building in the actual learning environment and verify viability.



Intel® SFI Starter Pack

For Educators and Learners 70 activities with more than 140 hours of class time

Learn

Develop educators' competencies to facilitate higher-order skills development in their students.



Intel® SFI Professional Development

For Educators 80+ hours of professional development for all levels

Deploy

Adopt technologysupported, skillsbased learning models across the entire education system. 4



Engage with Intel® Partner Ecosystem

For Education Institutions SFI-trained service and technology providers

Introduction to Intel® SFI Starter Pack

The Intel SFI Starter Pack provides educators with ready-to-use, technology-infused learning experiences that develop skills of the future for learners. Using hands-on activities based on real-world scenarios, educators can effectively integrate innovation skills supported by digital technologies into their existing curriculum. Activities are designed for in-person, remote, or virtual learning and work well for flipped classrooms. The Intel SFI Starter Pack is hosted on the Intel SFI Platform.

With a growing library of

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140

hours of content across various subjects for K-12 schools.

The Intel SFI Starter Pack maps innovation skills under the Intel SFI Framework to existing curriculum, integrating technology into engaging, grade-level-appropriate activities and projects. Using technology tools in real-world scenarios helps students build skills of the future.

Technology Usage Examples

- Cloud-based software for 3D modeling, simulation, and data analysis
- Programming software, including Scratch and Python
- Digital fabrication tools such as 3D printing and laser cutting

Developing Skills for the Future

- Ability to create, evaluate, and analyze (higherorder cognitive skills)
- Innovation mindset
- Improved readiness for the demands of the Fourth Industrial Revolution

Exploring an Intel SFI Starter Pack Activity

Each Intel SFI Starter Pack activity is a complete resource for educators, designed to provide support in different curriculum subjects. It includes an educator's guide, teaching deck and working files. The estimated duration of each activity is two hours.



Educator's Guide

- Learning objectives
- Lesson overview
- Activity guide
- Troubleshooting tips
- Assessment & rubrics



Teaching Deck

- Introduction to topic
- Hands-on activities
- Guided learning
- Discussion topics
- Reflection



Working Files

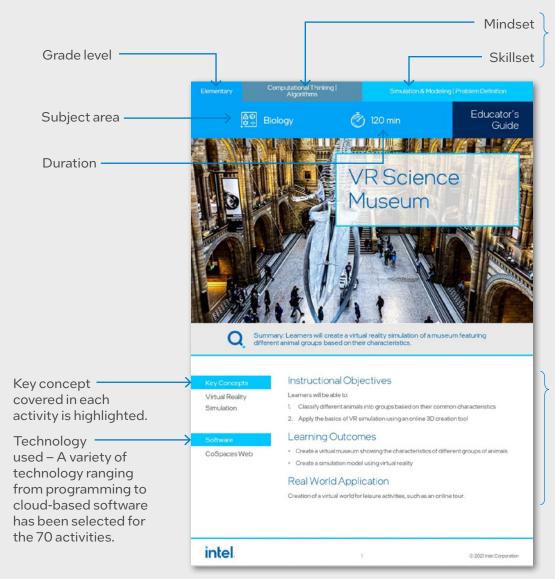
- Worksheets
- Installation guides
- Applications
- Source files or codes
- Data sets

All activities can be conducted on a Windows or Chromebook* platform.

^{*}Refer to the Intel SFI Starter Pack glossary for the list of activities that can be conducted on a Chromebook

What is Included in the Intel® SFI Starter Pack Activity

The Educator's Guide provides educators with detailed information about what to expect when they carry out the activity in the classroom.



Each Starter Pack activity focuses on at least one mindset and skillset under the 7 innovation skills. All 70 activities are designed to develop social-emotional skills in learners.

This section integrates both the learning objectives of the topic in the subject as well as the outcome of a tech-infused lesson. An example of a real-world application is also included to show the relevance of this activity beyond the classroom.

New to the Technology?

Beginner's guides have also been created for educators who are interested in finding out more about how to use and apply the software or technology introduced in the Intel® SFI Starter Pack activities. As a supplementary resource, the guides provide additional support to educators in using technology with greater confidence.



Intel® SFI Starter Pack for K-12 Schools

Grade-level-appropriate Intel® SFI Starter Pack activities are categorized into various subject areas, making it easy for educators to select activities that match their areas of specialization.

Categorization of Intel SFI Starter Pack Activities

	Languages	STEM	Humanities
Elementary (15 Activities)	EnglishLiterature	MathematicsBiologyChemistryPhysics	GeographyHistorySocial Studies
Middle (25 Activities)	EnglishLiteratureLanguage Arts		GeographyHistorySocial Studies
High (30 Activities)	EnglishLiteratureLanguage Arts		EconomicsGeographyHistorySocial Studies

Curriculum Integration

Each Intel® SFI Starter Pack activity has been designed for seamless integration into the local curriculum.

The SFI Starter Pack Activities are currently aligned to several sets of U.S. based standards, including Common Core, NGSS and ISTE.

The Starter Pack Activities are also aligned to the National Curriculum of both Singapore and the United Kingdom.



List of Intel SFI Starter Pack Activities

For detailed information including learning objectives, platform compatibility, technology used and innovation skills covered in each Intel SFI Starter Pack activity, refer to the Starter Pack Catalog.

Intel® SFI Learning Platform

The Intel® SFI Learning Platform provides educators and administrators with access to a rich, interactive social learning environment to learn, share, collaborate and connect with a global population of educators. With system-wide reporting and analytics, administrators can access powerful insights to track and support the progress of their staff on behalf of their entire organization.

Learning

Interactive learning & completion certificates

Resource Library

Lesson plans, PDFs, videos, beginner's guides, presentations, and much more



Live Discussions

Grouped by cohort, topic, subject, and thread

Insight Surveys

Capture trends of the innovative approaches to learning and student development

Intelligent Search

Search categories and filters aligned to educators' interests

Community-Generated Content

Shared lesson plans, best practices, and an opportunity to connect with other professionals through the community

Ready to Get Started?

The Intel® SFI Starter Pack is designed to meet the evolving pedagogical needs of educators and prepare learners to excel as part of tomorrow's workforce. This program is available under license from Intel.

For more information about how to deploy Intel® SFI Starter Pack in your education environment, please contact your Intel Technology Provider.

To continue building educators' capacity to create technology-infused learning experiences, see Intel® SFI Professional Development, another key component of the Intel® Skills for Innovation Framework.

For more information, visit

skillsforinnovation.intel.com

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Your costs and results may vary.

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