

Microsoft Education Skills Resources for K-12

DATASHEET



Microsoft's future-ready skills resources incorporate digital and coding literacy, technical job skills, and industry certifications, providing students with exposure to different technologies and the 21st-century skills that are relevant for success in school and for future role-based jobs.

Overview

Providing the broad set of soft and technical skills students need to thrive in school and in a digital economy is one of the biggest challenges education leaders face today. The rapid changes in education and in the workforce also create an opportunity to integrate basic digital technology skills that all students need, as well as coding, cloud, and data skills that are essential for jobs in high demand.

Microsoft wants to support you in engaging and inspiring all students to develop the technology skills for their future success with supplemental, on demand, educational resources to add to your digital portfolio.

All of the resources listed below are included in Microsoft Academic Volume License agreements, and all are running on the Microsoft platform, including Microsoft Teams to help develop collaboration skills, get classes, meetings, assignments, and files all in one place.

We would like to help you make decisions and easily get on the path to solve the challenges you and your faculty face to create the opportunities for your students to thrive.

These supplemental curricular resources can be adapted into your teaching materials to provide your students with the global future-ready skills that are imperative to success in the digital economy.

Microsoft Education Skills Resources

Grades K-12

Imagine Cup Junior: IC Jr 2021 provides students aged 13 to 18 the opportunity to learn about technology and how it can be used to positively change the world. The global challenge is focused on Artificial Intelligence (AI), introducing students to AI and Microsoft's AI for Good initiatives so they can come up with ideas to solve social, cultural, and environmental issues.

Microsoft Digital Literacy: Learn how to effectively use devices, software, and the internet to collaborate with others and discover, use, and create information.

Microsoft Educator Center: The Microsoft Innovative Educator (MIE) programs are designed to help both educators who are just beginning their journey, as well as programs for educators who are leaders in innovative education.

Microsoft Imagine Academy Curriculum: Microsoft Imagine Academy gives students and educators the curricula and certifications they need to succeed in a tech-driven economy.

Microsoft Learn: Microsoft Learn is a free, online training platform that provides interactive learning for Microsoft products.

Microsoft Office Specialist World Championship: The Microsoft Office Specialist World Championship presented by Certiport, Inc. is a global competition that tests students' skills on Microsoft Office Word, Excel, and PowerPoint.

Minecraft: Education Edition: A game-based learning platform that promotes creativity, collaboration, and problem-solving in an immersive digital environment. Begin or continue your students' computer science journey with the cross-curricular collection of over 150 hours of CSTA and ISTE-aligned lessons.

Grades K-8

Hacking STEM: Browse the library for downloadable, hands-on, teacher-tested projects and activities that use everyday materials to make STEM affordable, accessible, and fun for everyone.

MakeCode: Microsoft MakeCode brings computer science to life for all students with fun projects, immediate results, and both block and text editors for learners at different levels.

Grades 9-12

AI Business School: Successful AI implementation depends on more than the technology. Learn how to drive lasting business impact with six learning paths in AI Business School.

Azure Dev Tools for Teaching: Microsoft Azure Dev Tools for Teaching puts professional developer tools, software, and services from Microsoft in the hands of faculty and students through EES and Volume Licensed education customers.

Azure for Students: Azure for Students provides access to all Azure products that are expressly intended to support education or teaching, non-commercial research, or efforts to design, develop, test, and demonstrate software applications for these purposes. Students download the tools from the Azure Education.

Azure for Students Starter: High school and university students can start building in the cloud now with free Azure services and professional developer tools.

GitHub Student Developer Pack: GitHub Student Developer Pack gives students free access to the best developer tools in one place so they can learn by doing.

GitHub Teacher Toolbox: The GitHub Teacher Toolbox gives educators free access to the best developer tools in one place.

Microsoft Learn for Educators: Microsoft Learn for Educators provides access to [Microsoft Learn](#) online learning paths and supporting instructor-led training materials for use in the classroom. Eligible educators and faculty members at colleges, universities, community colleges, polytechnics, and secondary schools can access Microsoft ready-to-teach curriculum and teaching materials aligned to industry-recognized Microsoft Certifications.

Microsoft Learn for Students: Students can develop practical skills through fun, interactive modules, and paths. Plus, educators can get access to Microsoft classroom materials and curriculum.

Microsoft Garage: Garage is a program that drives a culture of innovation through programs and experiences to drive collaboration, creativity, and experimentation.

For the most recent list of skilling resources from Microsoft for K12, Higher Education, and Workforce Development, check out the Microsoft Skilling Resources Dashboard at <https://aka.ms/MicrosoftSkillingResources>.

Additional Resources and Information

[Future Ready Skills \(microsoft.com\)](#):

OECD Research: [https://www.oecd.org/education/2030/E2030%20Position%20Paper%20\(05.04.2018\).pdf](https://www.oecd.org/education/2030/E2030%20Position%20Paper%20(05.04.2018).pdf)

[21st Century Skills: Blended Learning & Partnership for 21st century learning](#)

[Class of 2030 Report](#)

[Future-ready skills : Student and school success - Education Transformation Framework - Microsoft Educator Center](#)

[Microsoft Imagine Academy - Microsoft Educator Center](#)

[Accelerating the success of entry-level IT hires through education | Microsoft EDU \(More resources for certs\)](#)

[Building a more inclusive skills-based economy: The next steps for our global skills initiative - The Official Microsoft Blog](#)