Applied Digital Skills

Introduction to our digital skills curriculum

g.co/applieddigitalskills
Let’s plan a dream vacation...

...while learning spreadsheet formulas.
Let’s produce a blockbuster movie...

...while learning document formatting and graphic design.
Let’s edit a piece of writing...

...using student-written programming code.
WHAT WE’LL COVER

1. Welcome
2. Why are we here? What is Applied Digital Skills?
3. Inside the curriculum
4. How to get started
Applied Digital Skills Overview

A curriculum designed to equip students with practical skills that will help them succeed at school, in the workplace and in life — while promoting student engagement in the classroom.
OUR COMMITMENT:

We believe that every student in every school deserves to have access to the tools and skills that will set them up for success in the job market of today — and tomorrow.
CHALLENGE:

The job market is changing — and employers are looking for skills that many students aren’t yet confident in.

Percentage of 18- to 25-year-olds who believe their education gives them the skills they need to enter today’s workforce

44%

Source: The Economist

Proportion of jobs in 2020 that will require skills that aren’t commonly taught today

1/3

Source: World Economic Forum

Youth unemployment rate — a seven-year high

10%

Source: U.S. Department of Labor
OPPORTUNITY:

Technology lessons can build practical skills that prepare students for jobs sectors that are growing fastest.

- 49% Percentage of today’s job openings that require a high-school degree but not a four-year college degree. 
  
  Source: National Skills Coalition

- 150% Growth rate of digital-based, middle-skilled jobs compared to other kinds of jobs.
  
  Source: Burning Glass

- More than 50% Expected percentage of jobs in 2020 that will require an “engineering mindset.”
  
  Source: World Economic Forum
SOLUTION:

Applied Digital Skills is a free, video-based, and online curriculum that prepares students of all ages for the growing number of jobs that require basic digital skills.
Project-based learning

Video curriculum provides step-by-step instruction with pause/rewind/fast-forward capabilities

With over 120+ hours of lessons, there’s a fit for any class or subject

Enables teachers to interact with students in small groups

Digital skills
- Coding
- Spreadsheets
- Data visualization
- Graphic design
- Website publishing
- Document formatting
- Internet search
- File organization

Practical life skills
- Four C’s
- Organization
- Budgeting
- Event planning
- Research
- Group decision-making
- Creating presentations
- Resume writing

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Script  Slides  Search  Sheets  Maps  Mail  Docs  Sites  Forms
I like how the curriculum demonstrates that tech is in all fields. It gets kids to create and connect what they are learning to real life.

– High school library media specialist
Lessons teach students how to think and work

Communication
Collaboration
Creativity
Critical thinking

“

The consistent feedback between peers is such a vital benefit. Students can collaborate and leave comments digitally, and they don’t have to raise their hand and worry about what someone else will say. **This teaches them to work together not just as a class, but as a community.**

– Seventh-grade science teacher
Free, flexible, ready-to-use

Modular lessons can be taught as full curriculum or one-off enrichment

Lessons include teacher resources like customizable lesson plans and rubrics

Video-based learning is self-directed and adaptable to each student’s pace
Inside the curriculum

A look at the ways teachers across the world are using Applied Digital Skills in their classrooms.
If-Then Adventure Stories

2-3 hrs for lesson

POPULAR IN
Homeroom and English courses

PRACTICAL LIFE SKILLS
Storyboarding and group decision making

DIGITAL APPLICATION SKILLS
Collaboration through comments in Docs and use of hyperlinks in Slides to tell a story

You go on a rainforest adventure for vacation.

You arrive at the lodge, ready for a great trip. Your tour guide gives you three options:

- Drive
- Walk
- Paddle a canoe
Create a Presentation
“All About a Topic”

45 - 90 minutes for lesson
Quick-start teacher guide available

Teacher Guide:
Create a Presentation “All About a Topic”

In the lesson Create a Presentation “All About a Topic”, students demonstrate and apply a topic by creating an interactive presentation in Google Slides. To support remote learning, a student assignment template that you can copy, modify, and share with students. They will along with the Applied Digital Skills videos to create a presentation about a topic you assign.

Why use this lesson?
- Allows students to learn remotely and demonstrate learning in a digital application
- Provides a project-based learning activity that works with any topic you are teaching
- Promotes engagement and creativity
- Allows students to connect with each other digitally
- Teaches students how to communicate with an audience about a topic in a visually appealing manner

What do students do in this lesson?
- Students apply their understanding of a topic to create a presentation using text, titles, and transitions.
- They digitally share their presentation with a classmate.
- They then comment on each other's presentations.

As many of us are scrambling to create content for distance learning, this is one tool that is making the task easier.

– Teacher K.V.
Make Art with Google Sheets

POPULAR IN
Technology courses

PRACTICAL LIFE SKILLS
Design thinking, organizing data, creative expression

DIGITAL APPLICATION SKILLS
Create and set up a spreadsheet, search the internet, data visualization
Plan an Event

6-9 hrs for lesson

POPULAR IN
Government and technology courses

PRACTICAL LIFE SKILLS
Choose, plan and organize an event, effective communication

DIGITAL APPLICATION SKILLS
Digital publishing, document formatting, spreadsheet skills
**Research and Organize Information About Colleges in Google Sheets**

**45 - 90 minutes for lesson**

**POPULAR IN**
All subjects

**PRACTICAL LIFE SKILLS**
Organize, compare, and sort data

**DIGITAL APPLICATION SKILLS**
Create and set up a spreadsheet, search the internet, create hyperlinks, sort information

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### 3. Research Your Colleges

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<thead>
<tr>
<th>College</th>
<th>Location (city, state)</th>
<th>Tuition (cost per year)</th>
<th>Housing Costs (on campus, out of state student rate)</th>
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**3. Research Your Colleges**

**what's the address of erie community college**

Erie Community College, Address

6205 Main St, Williamsville, NY 14221

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Erie Community College - Horne

Erie Community College is a community college in New York. It is part of the Erie Community College system. The college offers a wide range of programs and courses, including associate degrees, certificates, and transfer programs. For more information, visit the Erie Community College website.
Test Drive Applied Digital Skills

Learn how to set up your class and begin teaching Applied Digital Skills in just a few short steps.
One of the best ways to learn about Applied Digital Skills is to experience the curriculum as a student.

In this section you will:

- **Explore** a Applied Digital Skills class as a student
- **Test drive** a lesson from the Curriculum Page
- **Reflect** on learnings as a student

We understand that it is not just about coding. It’s about art and music and being creative... We want to teach students that this is not boring. It’s going to be fun and **we’ll show them different ways to think and be creative.**

Martin Sung, college student and Applied Digital Skills volunteer
Leon County Schools, Tallahassee, FL
STEP 1: Sign in to the website g.co/applieddigitalskills

You will need a Google account to sign in. If you do not already have a Google account, you can create one for free at www.accounts.google.com/signup
STEP 2: Choose your role as a STUDENT

We will change you back before you leave! 😊
Access as a learner using this class code: 3dczwp
STEP 3: Enter the course code provided by your instructor.

Join a class

Enter the class code provided by your teacher.

Class code

Your name, email, progress data, survey responses, and projects will be shared with your teachers.

Next
TEST DRIVE

Visit g.co/applied digital skills and visit the curriculum Page. Browse the lessons and choose the one(s) you’d like to teach to your students.

Start a Lesson
Explore the curriculum and choose a lesson that suits you

Browse collections

Back to School 2019
Start the year by incorporating digital skills into your classroom. These lessons help students get organized, plan study schedules and more.

G Suite Certification Exam Prep
Lessons you can use to prepare for the G Suite certification exam

Grow Your Small Business
Develop business skills and get started as an entrepreneur

More
TEST DRIVE

Find the Applied Digital Skills Lesson right for your classroom

Watch the first at least one of the instructional video to get a feel for the content.

Find the Lesson Plans and student work samples for that lesson to get a detailed look at each lesson.
Switching Back to a Teacher Profile

Changing your role from Student to Teacher

1. Sign in and go to the ‘Classes’ tab.
2. Click on the Student button in the top right hand corner of the page.
3. Select ‘My Profile’ from the drop down menu.
4. Under the Account type, click on the Switch to teacher link

![Switch to Teacher Profile](image-url)
Small-Group Reflections

Where would Applied Digital Skills be most impactful for you and your learners?
Reflection Questions

Which lessons do you think will help your students be most prepared for a 21st-century workplace?

Identify a unit of study or a time of year when you think one of these lessons would be appropriate?

What digital skills do you think your students are most interested in learning?

Is there a state standard or school initiative where any one of these lessons might align?
RESOURCES & QUESTIONS:
To get started, go to g.co/applieddigitalskills and Sign In.

1. g.co/AppliedDigitalSkills
   Website and Curriculum

2. g.co/AppliedDigitalSkills/Resources
   Teacher resources

3. g.co/AppliedDigitalSkills/Help
   Help and Troubleshooting

Thank you!
Appendix of Units
Research and Develop a Topic

3-5 hrs for lesson

POPULAR IN
Language arts, current events, library

PRACTICAL LIFE SKILLS
Identify credible online sources and make an interactive research document

DIGITAL APPLICATION SKILLS
Internet search, coding, document formatting
Technology, Ethics, and Security

3-4 hrs for lesson

POPULAR IN
Government and technology courses, media center

PRACTICAL LIFE SKILLS
Research risks, explore solutions, and create a report to communicate findings

DIGITAL APPLICATION SKILLS
Internet search, organize and present findings using a digital application

The World of Online Gaming
Almost half of all people who use the internet play games online. With nearly 700 million users, internet gaming brings together people from all over the world. But gaming also poses risks. Players are exposed to inappropriate language and behavior. Some spend excessive amounts of time in virtual reality. The online gaming world also includes cyberbullies, online predators, and hackers who find easy targets in gaming communities.
Guide to an Area

POPULAR IN
Math classes, foreign language classes

PRACTICAL LIFE SKILLS
Research and organize information, data representation

DIGITAL APPLICATION SKILLS
Organize data using Sheets, share information using Maps
Technology’s Role in Current Events

3-4 hrs for lesson

POPULAR IN
English, government, history classes

PRACTICAL LIFE SKILLS
Analyzing current events, communicating findings

DIGITAL APPLICATION SKILLS
Communicate information research through Search using Docs, Sites, Slides
Plan and Budget

5-7 hrs for lesson

POPULAR IN
Math and homeroom classes

PRACTICAL LIFE SKILLS
Make financial decisions by analyzing long-term spending, comparing costs, and planning for major purchases

DIGITAL APPLICATION SKILLS
Analyze financial data in Sheets
Create an Editing Tool with Programming

POPULAR IN
Math, computer science and English classes

PRACTICAL LIFE SKILLS
Improve writing, iterative development

DIGITAL APPLICATION SKILLS
Basic coding concepts with Apps Script, conveying concepts with Docs and Slides
Technology at Work

3-4 hrs for lesson

POPULAR IN
Technology, English and government classes

PRACTICAL LIFE SKILLS
Researching topics and communicating your findings

DIGITAL APPLICATION SKILLS
Communicate with Docs, Slides, Sites or Sheets, and conduct Search
6-8 hrs for lesson

**Pick the Next Box**

**Office Hit**

**POPULAR IN**
Math and history classes

**PRACTICAL LIFE SKILLS**
Analyze trends and make predictions with formulas

**DIGITAL APPLICATION SKILLS**
Data analysis and visualization using Sheets and Apps Script

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**Puppy Love**

- Romance movies have an almost 50% return on investment
  - 3 of the 5 leading actors in the movie have average ROIs of over 50% (89%, 81%, and 88%)
  - The budget is fairly small ($40 million), and we think we could make a good profit because everyone likes dogs!

**Successful Movies:**

**Proxima**

**INITIAL THOUGHTS:** Star Wars and other sci-fi/space movies have been really successful lately. We think this would be, too.

**DATA:**
1. Lupita Nyongo has a terrific return on investment: 76%
2. But there is no information on the other actors, which makes it hard to tell if they are popular.

**Aftershocks**

**INITIAL THOUGHTS:** Has "The Rock". Movies with The Rock are ALWAYS successful

**DATA:**
1. The Rock is wildly successful. He has nearly a 100% return on investment in all of his
Equal Access to Technology

3-4 hrs for lesson

POPULAR IN
Technology and English classes

PRACTICAL LIFE SKILLS
Researching topics, and communicating findings effectively with your audience

DIGITAL APPLICATION SKILLS
Collaborate and communicate using Docs, Sheets, Sites and/or Slides

1. Are you working by yourself, or as a group?
   - By myself
   - As a group

2. Choose a topic to work on

3. Write an exploration question

4. Explore your topic

5. Create your project

6. Communicate

Create a project that you will use to communicate what is exciting, interesting, or controversial about your topic to your class.

Use the Google application that best fits your topic and your communication style, like Sites, Sheets, Docs, or Slides, or any other technology your teacher approves.

Digitally share your project with your teacher.

Remember, you’ll be presenting your creation to the class!

Your teacher will let you know when it’s time for the next activity.
Create a Resume in Google Docs

45-90 min for lesson

POPULAR IN
Technology, English and homeroom classes

PRACTICAL LIFE SKILLS
Develop a resume that stands out

DIGITAL APPLICATION SKILLS
Digital collaboration, document formatting, and effective communication with Docs
Research and Organize Information About Colleges in Google Sheets

45 - 90 minutes for lesson

Popular in:
All subjects

Practical Life Skills:
Organize, compare, and sort data

Digital Application Skills:
Create and set up a spreadsheet, search the internet, create hyperlinks, sort information