

Technology Challenges in Education: understanding new opportunities for teaching

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Future of Jobs: The top soft skills to develop by 2027

1 Creative thinking

2 Analytical thinking

3 Digital literacy

4 Curiosity and lifelong learning

5 Resilience, flexibility and agility

6 Systemic thinking

7 Artificial intelligence and big data

8 Motivation and self-awareness

9 Talent management

10 Service orientation and customer service

IMPORTANCE OF TECHNOLOGY IN EDUCATION

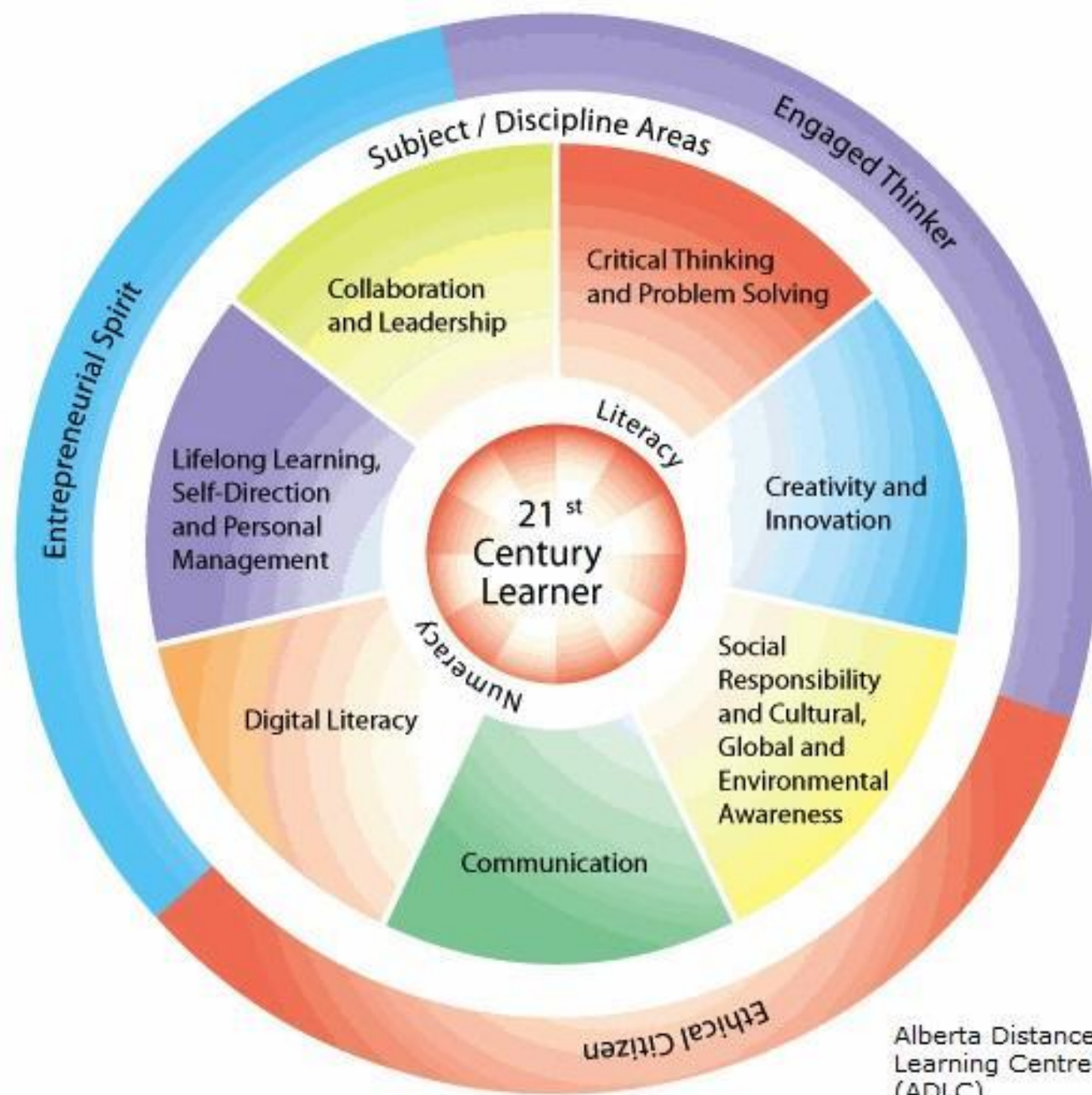
CAREERCLIFF.COM

1. Prepares students for their future careers.
2. Helps to support different learning styles.
3. Collaboration.
4. Improves digital citizenship.
5. Helps students stay engaged.
6. Enhances the learning experience.
7. Improves access to information.
8. The traditional passive learning model is broken.
9. Technology helps students be more responsible.
10. Technology transforms the learning experience.



SOURCE: SECUREDGENETWORKS.COM

The 21st century learner



Digital Literacy Skills

Digital Literacy Skills are the ability and know-how of digital skills in conjunction with critical thinking across the varied digital platforms and devices. Having digital literacy skills means possessing a combination of digital skills, competence, knowledge, practical ability, research, digital learning, understanding, evaluation, interpretation, creation, and communication.

The area between Digital Skills and Digital Literacies is where Digital Literacy Skills lie.

<https://builddigitalspace.com/what-are-digital-literacy-skills/>

Examples of Digital Literacy Skills

- App Development
- Data Analysis/Analytics Interpretation
- Deck/Presentation Creation
- Digital Communication
- Digital Content Creation
- Digital Copywriting
- Information Evaluation
- Photo-Visual Literacy
- Search Engine Optimization
- Social Media Content Management
- Software Creation

What is Digital Research?

<https://www.ibpad.com.br/blog/comunicacao-digital/o-que-e-digital-research/>



DIGITAL RESEARCH can be defined as the use of digital technologies that change the way research is carried out and make it possible to face new challenges in the area.



If our learners are to be fully functional citizens in the 21st century, they need digital skills. We can promote these skills in parallel with teaching English. Digital skills and English can help many of our adult learners get ahead in the workplace, or prepare our younger learners for better future job opportunities. And equally important, they can make our classes a lot more relevant and interesting in the here and now.

<https://www.teachingenglish.org.uk/article/digital-literacies-what-are-they-why-should-we-care>

Integrating Digital Literacy and Language Instruction

by Alison Ascher Webber | Sep 8, 2017

<https://edtech.worlded.org/digital-literacy-second-language-instruction/>



- ▶ ***Students learn by practicing.***
- ▶ ***Computers and the Internet are natural contexts to practice language skills for real life tasks.***
- ▶ ***Learners can practice English when finding information on their child's school website, researching the going rate for apartments in their area, writing a resume, or using online learning programs.***

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- ▶ *It's important to use instructional activities that provide both an opportunity to practice digital skills and strengthen the problem solving process implicit in knowing what skill to use and when.*
- ▶ *Computers and the Internet offer endless opportunity for language learners to practice, whether through online programs or completing real digital tasks. Meanwhile, higher language competencies open up more opportunities for students to practice their digital literacy skills. Language and digital literacy instruction are mutually reinforcing.*

Ten Strategies for Teaching English-Language Learners Online

<https://www.edweek.org/teaching-learning/opinion-ten-strategies-for-teaching-english-language-learners-online/2020/03>



- 1. Use your team. Constantly text, email, call, and video chat to discuss the best way to meet our students' needs. It's so important to stay connected.***
- 2. Use online tools to help assist students and their language needs - YouTube videos, recordings of you explaining directions, videos of you teaching a difficult math problem, using various online resources to help teach material.***

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<https://www.edweek.org/teaching-learning/opinion-ten-strategies-for-teaching-english-language-learners-online/2020/03>



3. Making work easily accessible - Use the online course-management software Canvas. It has been awesome in posting resources, lectures, notes, readings, quizzes, etc., for students to access.

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4. Let the students guide the instruction - Have them record, video, explain, and teach a vocab word, a topic, a story, etc. By letting students have a voice in their learning (especially in a time when it truly is on them), it allows them to still feel connected to class and their classmates.

5. Don't overwhelm your students - Remember, in a typical high school day, they have 5-7 different classes. Remember, English-learners are still learning the language, and sometimes these "new" systems will impact them in a negative way.

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6. Be patient - In the educational field, we want things to move at our pace. Less is more. We need to give short, pointed assignments that clearly teach the concept at hand. This is so important for English-learners.

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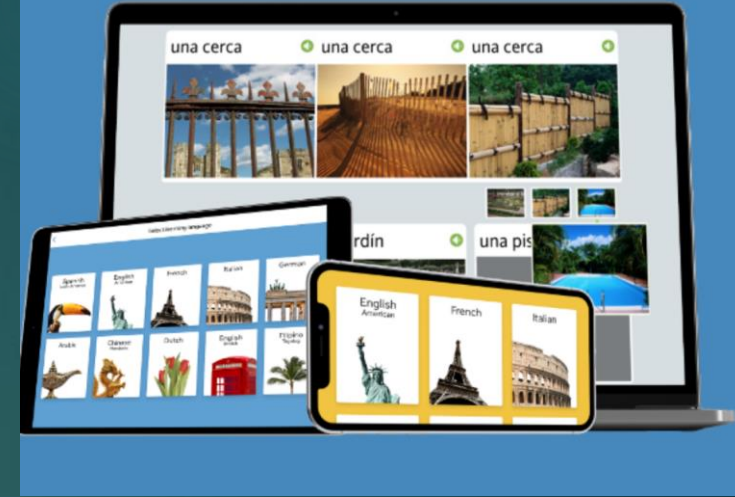


7. Be flexible - Just like in the EL classroom, you need to be flexible in the online space. Make sure the students have what they need to succeed. You may even have to reach out to them personally to make sure they know what to do!

8. Use your aides - Google Hangouts (chat and video) to help students with translations, questions, and clarifications.

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9. Try something new - Maybe there is something that you wanted to do but didn't have the chance. Online learning is a perfect way to do this! Maybe create a Quizlet, Flipgrid, Kahoot, Discussion post, Tik-Tok, Twitter Account, Instagram, etc.

10. Breathe, have fun. Allow your students to have a solid educational experience and have some fun!

Digital Strategies to Improve English Teaching

<https://observatory.tec.mx/edu-bits-2/digital-strategies-to-improve-english-teaching>



1. Create and manage a website for your course

*While emails and WhatsApp are very efficient means of communication, sometimes they saturate us with the number of messages. Instead, **a website will generate in students more significant commitment and order in their assigned homework. They will quickly and easily see their work and projects delivered during the course without wasting time searching in countless folders, archives, or emails.***

Digital Strategies to Improve English Teaching

<https://observatory.tec.mx/edu-bits-2/digital-strategies-to-improve-english-teaching>



2. Use active resources for the practice of listening comprehension

*Virtuality taught us that educational resources such as **podcasts and videos are of great relevance for learning**. Many websites offer a wide range of activities and exercises for learning the English language that can be integrated into a class.*

Digital Strategies to Improve English Teaching

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3. Implement interactive games

Students enjoy activities that promote healthy competition using technology.

*Regularly apply interactive games in the classroom. **This activity increases the students' attention and persistence and motivates them to participate and learn the language** and enjoy every minute of learning. Examples of these activities are Quizlet, Quizizz, Kahoot, Who Wants to Be a Millionaire?, Alphabet soup, Find the differences, Riddles and Karaoke.*

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4. Present oral argumentation activities

*Practicing a second language speaking is one of the most critical activities for students, causing them to face their fears and experience a crucial metacognitive process. **Oral production activities such as exhibitions, dialogues, and role-playing games are a must.***

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5. Promote more student autonomous work

Some of these autonomous work activities in a foreign language course are watching movies or series, listening to music, reading news, novels, cartoons, magazines, face-to-face or virtual conversational clubs, etc. All aim to make learning a foreign language a daily routine for pleasure, not an academic duty.

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6. Consider the teacher's role in a face-to-face, virtual, or hybrid model

As teachers and academic leaders, we must have the flexibility to teach in different scenarios. **The COVID-19 pandemic taught us that we could adapt quickly to changes** while considering the needs of the current context and the pedagogical and technological resources at hand.

THANK YOU!