

21st Century Skills



Summarize main points from each video.

Title / topic _____

Title / topic _____

Title / topic _____

13.1 Topic Introduction

Summarize your understanding of each paragraph.

21st century skills comprise skills, abilities, and learning methods. Educators, business leaders, and governmental agencies agree these are important for success in the 21st century. The skills have been grouped into three main areas.

Group 1.

Learning and innovation skills: critical thinking and problem solving, communications and collaboration, creativity and innovation

Group 2.

Digital literacy skills: information literacy, media literacy, Information and communication technologies (ICT) literacy.

Group 3.

Career and life skills: flexibility and adaptability, initiative and self-direction, social and cross-cultural interaction, productivity and accountability

Read/Summarize Text



1. Read the passage.
2. Underline key expressions in each sentence.
3. Re-write each word (or expression) you underlined.
4. Summarize the passage.

The Four Cs.

In 2002 the Partnership for 21st Century Skills (now the Partnership for 21st Century Learning, or P21) was founded as a non-profit organization by a coalition that included members of the national business community, education leaders, and policymakers. The P21 organization also conducted research that identified deeper learning competencies and skills they called the Four Cs of 21st century learning:

- Collaboration
- Communication
- Critical thinking
- Creativity

https://en.wikipedia.org/wiki/Four_Cs_of_21st_century_learning

Re-write words you underlined

Using a complete sentence, summarize or rephrase the passage

Read Text for Comprehension

Read these highlights for deeper understanding. No summary is required, although you may want to circle, underline, or mark key ideas and words.

The 4 Cs of 21st Century Skills

Collaboration

Collaboration occurs when two or more people or organizations work together to realize or achieve a goal.

Communication

Communication is the act of conveying intended meanings from one person to another through the use of mutually understood signs, symbols and rules. There are many types of communication including these:

- 1 Non-verbal
- 2 Verbal
- 3 Written communication and its historical development
- 4 Business
- 5 Political
- 6 Family
- 7 Interpersonal

Critical Thinking

Critical thinking is the objective analysis of facts to form a judgment. The subject is complex, and there are several different definitions which generally include the rational, skeptical, unbiased analysis or evaluation of factual evidence.

Creativity

Creativity is a phenomenon whereby something new and somehow valuable is formed. The created item may be intangible (such as an idea, a scientific theory, a musical composition, or a joke) or a physical object (such as an invention, a literary work, or a painting).

Draw Illustration



Copy and Label the Illustration in the Space Provided



Figure 1 - P21 Framework for 21st Century Learning

File:Framework for 21st Century Learning (Creator:Charles Fadel)

Draw (Copy) the Illustration Here

Prepare to Discuss this “Cheatsheet”



The Ultimate Cheatsheet for Critical Thinking

Want to exercise critical thinking skills? Ask these questions whenever you discover or discuss new information. These are broad and versatile questions that have limitless applications!



Who	<ul style="list-style-type: none"> ... benefits from this? ... is this harmful to? ... makes decisions about this? ... is most directly affected? 	<ul style="list-style-type: none"> ... have you also heard discuss this? ... would be the best person to consult? ... will be the key people in this? ... deserves recognition for this?
What	<ul style="list-style-type: none"> ... are the strengths/weaknesses? ... is another perspective? ... is another alternative? ... would be a counter-argument? 	<ul style="list-style-type: none"> ... is the best/worst case scenario? ... is most/least important? ... can we do to make a positive change? ... is getting in the way of our action?
Where	<ul style="list-style-type: none"> ... would we see this in the real world? ... are there similar concepts/situations? ... is there the most need for this? ... in the world would this be a problem? 	<ul style="list-style-type: none"> ... can we get more information? ... do we go for help with this? ... will this idea take us? ... are the areas for improvement?
When	<ul style="list-style-type: none"> ... is this acceptable/unacceptable? ... would this benefit our society? ... would this cause a problem? ... is the best time to take action? 	<ul style="list-style-type: none"> ... will we know we've succeeded? ... has this played a part in our history? ... can we expect this to change? ... should we ask for help with this?
Why	<ul style="list-style-type: none"> ... is this a problem/challenge? ... is it relevant to me/others? ... is this the best/worst scenario? ... are people influenced by this? 	<ul style="list-style-type: none"> ... should people know about this? ... has it been this way for so long? ... have we allowed this to happen? ... is there a need for this today?
How	<ul style="list-style-type: none"> ... is this similar to _____? ... does this disrupt things? ... do we know the truth about this? ... will we approach this safely? 	<ul style="list-style-type: none"> ... does this benefit us/others? ... does this harm us/others? ... do we see this in the future? ... can we change this for our good?

Show-Off Your Smarts!



Instructions

- Complete as an individual
- Prepare to discuss in small groups, then as a class.

Q1. How can this information about 21st Century skills be applied to a young-person's life?

Q2. How might this information regarding 21st Century Skills apply to your school? Your home town? Your state?

School? –

Town? –

State? –

Q3. When might scientists need to apply these 21st Century skills?

Collaboration? –

Critical Thinking? –

Communication? –

Creativity? –

Digital literacy? –

Flexibility? –

Initiative? –

Self-direction? –

Q4. How would a person from 100 years ago view this information?

Q5. How does this topic apply to other subjects – other than science?

Make a Poster

In the space provided here, illustrate the “4 Cs” as described in this topic.

- Collaboration

- Communication

- Critical thinking

- Creativity