

A presentation for GED®/CAEC instructors

Preparing adult learners for the new Canadian Adult Education Credential (CAEC)

An analysis of [CAEC sample tests](#) and
recommendations for instruction



Project team and presenters



Today's presentation is based on a report developed by the following experienced GED® instructors and researchers:

Digital - Monica Leong, Calgary Learns, Calgary, Alberta

Mathematics - Will Northgrave, Lethbridge Polytechnic, Lethbridge, Alberta

Science - Leah Rondeau, Adult Basic Education Association, Hamilton, Ontario

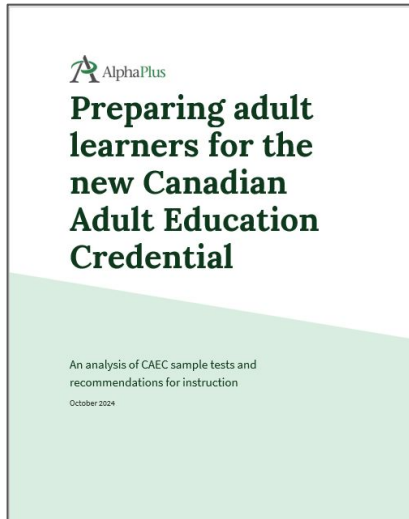
Social Studies - Alex Davey-Muise, Yarmouth County Learning Network, Yarmouth, Nova Scotia

Reading and writing - Christine Pinsent-Johnson, AlphaPlus, Toronto, Ontario

Some links



Full Report



Recording



Chat

14:55:31 From Will Northgrave to Everyone:
Hello all

14:56:14 From Info AlphaPlus to Will Northgrave(direct mes
Do you want to talk through your section?

15:00:54 From Will Northgrave to Info AlphaPlus(direct mes
Either way

15:01:06 From Info AlphaPlus to Everyone:
https://drive.google.com/file/d/1OSM7sgvksj0PD2_ro

15:06:20 From Judy DesRoches to Everyone:
Will, does the Alberta website take precedence ove

15:08:07 From Leah Rondeau to Info AlphaPlus(direct messag
Hey Christine, this is a private message, I dont w
presentation is cut off. It wasn't when you shared it init
table

15:08:11 From Will Northgrave to Everyone:
Provincial Sites listed here:
<https://hslda.ca/high-school-diploma-equivalency-c>

15:11:04 From Cathie Raynor to Info AlphaPlus(direct messa
I don't think I am seeing the entire slides. the

15:11:15 From Alicia Gallant to Everyone:
I think the slides are missing the bottom half?

15:11:22 From Shannon Donaldson to Everyone:
-



About AlphaPlus

AlphaPlus champions the use of technology in adult education to create equity and access to learning and enhance learning experiences. Our specialized team members have expertise in the use of digital technology in education, as well as experience in and understanding of the adult education field.

Please address questions to the lead researcher and project coordinator, Christine Pinsent-Johnson, PhD, OCT (christine@alphaplus.ca).

Learn more about AlphaPlus by visiting [our website](#).

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Ontario 

Session overview



- Background
- What we did and how
- Overview of three major changes
- Highlights of changes within each subject
 - Digital implications
 - Reading
 - Writing
 - Math
 - Science
 - Social studies
- Questions

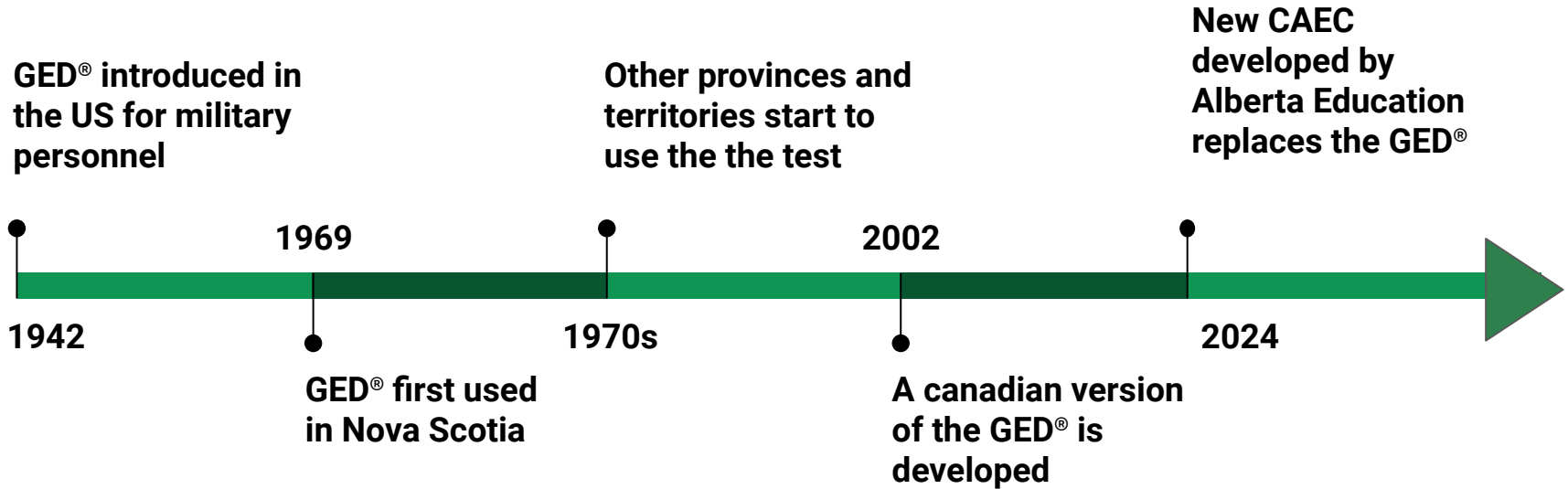
More information about the CAEC



The screenshot shows the TVO ILC website. The header includes the TVO ILC logo, navigation links for 'Why TVO ILC', 'What We Offer', 'Explore Courses', 'How to Apply', and an 'Apply now' button. A search bar and 'Login' link are also present. The main content area features an illustration of a person at a desk with a computer, surrounded by educational icons like a book, a pencil, and a Canadian flag. The text reads: 'Earn the Canadian Adult Education Credential (CAEC)'. Below this, it states: 'On May 3, 2024, the new Canadian Adult Education Credential (CAEC) replaced the General Education Development (GED®) high school equivalency assessment. Available in English and French, this new credential is a high-quality, made-in-Canada education credential that meets industry standards as a replacement for the GED®.'

The screenshot shows the official homepage for the Canadian Adult Education Credential (CAEC). The header features the Alberta logo, a search bar with 'Search Alberta.ca', and a 'Menu' button. A yellow banner below the header reads: 'Welcome to the official homepage of the new Canadian Adult Education Credential (CAEC)'. The main content area has a background image of hands. It includes language options for 'English' and 'Français', a link for 'Education and training', and the main heading 'Canadian Adult Education Credential'. Below the heading is an 'Overview' link and a sub-heading: 'A new adult education credential to replace the GED in Canada.' The footer contains navigation links: 'Overview', 'How to earn your CAEC', 'Supporting diverse learners', and 'Information for testing centres'.

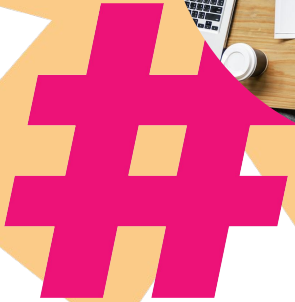
GED® and CAEC timeline



GED® Subjects	GED® test topics	Number of test questions and time
Language Arts reading <ul style="list-style-type: none"> • 75 percent literary • 25 percent non-fiction 	<ul style="list-style-type: none"> • Comprehension • Application • Analysis • Synthesis 	40 questions 65 minutes
Language Arts writing, Part 1	<ul style="list-style-type: none"> • Sentence structure • Organization • Usage • Mechanics 	50 questions 75 minutes
Language Arts writing, Part 2	<ul style="list-style-type: none"> • Well focused main points • Clear organization • Development of ideas • Sentence structure, punctuation, grammar, word choice and spelling 	One writing task 45 minutes
Mathematics, Part 1 (calculator)	<ul style="list-style-type: none"> • Numbers and operations • Geometry • Measurement and data analysis • Algebra 	25 questions (calculator)
Mathematics, Part 2 (no calculator)		25 questions (no calculator) 90 minutes
Science	<ul style="list-style-type: none"> • Life science • Earth and space science • Physical science • Unifying concepts and processes • Science as inquiry • Science and technology • The nature of science 	50 questions 80 minutes
Social studies	<ul style="list-style-type: none"> • Canadian history • World history • Civics and government • Economics • Geography 	50 questions 70 minutes
		240 questions 7 hours

VS

CAEC Subjects	CAEC test topics	Number of test questions and time
Reading <ul style="list-style-type: none"> • 60-80 percent informational • 20-40 percent literary 	<ul style="list-style-type: none"> • Content and context • Structure, elements and techniques • Grammar, syntax, and language conventions 	50 questions 75 minutes
Writing Write a persuasive text on the assigned topic	<ul style="list-style-type: none"> • Position and support • Voice and presentation • Conventions, mechanics and syntax 	One writing task 75 minutes
Math Part 1 (no calculator)	<ul style="list-style-type: none"> • Computational fluency and mental math 	12 questions 30 minutes
Math Part 2 (calculator)	<ul style="list-style-type: none"> • Number sense • Patterns and relations • Geometry and measurement • Data management and probability 	30 questions 90 minutes
Science	<ul style="list-style-type: none"> • Nature of science • Scientific inquiry skills • Science, tech, society and environment 	35 questions 90 minutes
Social studies	<ul style="list-style-type: none"> • Citizenship and government • Economics and systems • Historical and contemporary Canada • Geography/ environment 	40 questions 90 minutes
		209 questions 9 hours



What does a test-taker have to know and do to respond to test questions?

- The online environment and interface
- Test question sources to read and interpret
 - The knowledge, skills and abilities needed to understand the sources
- Types of test questions
 - The knowledge, skills and abilities needed to respond

Sample Tests

Subject specific released items candidates can use to prepare for CAEC tests.



- CAEC Try the Tools
- CAEC English Reading
- CAEC English Writing
- CAEC Math Part I and II
- CAEC Math Part I
- CAEC Math Part II
- CAEC Science
- CAEC Social Studies
- CCEA Naviguer dans l'évaluation
- CCEA Français Lecture
- CCEA Français Écriture
- CCEA Mathématiques Partie I and II
- CCEA Mathématiques Partie I
- CCEA Mathématiques Partie II
- CCEA Sciences
- CCEA Études Sociales

Test Outcomes and Evaluation Plan by Subject

Objectifs d'évaluation et plan d'ensemble par matière



Reading

Content and context		50% - 55%
1.1	Locate and retrieve explicit ideas or information from texts.	
1.2	Interpret the literal or figurative meaning of words and phrases based on the contextual information presented in a text.	
1.3	Determine and analyze supporting ideas or information within texts.	
1.4	Evaluate, integrate, and synthesize ideas or information from texts to make connections and draw conclusions.	
Structure, elements, techniques		25 - 30%
2.1	Identify and analyze organizational structures and features of literary and informational texts.	
2.2	Determine and evaluate the purpose and effect of literary devices in texts.	
Grammar, syntax, and language conventions		20 - 25%
3.1	Apply and analyze usage and correctness of grammar and punctuation.	
3.2	Determine and assess purpose and effectiveness of syntactic structures.	

Every subject has a list of the topics and cognitive strategies that are assessed.

These are called **CAEC outcomes**.

Text Type

Literary text		20% - 40%
<ul style="list-style-type: none">Examples include excerpts from novels, poems, essays, dramas, short stories, etc.		
Informational text		60% - 80%
<ul style="list-style-type: none">Examples include essays, comics, editorials, news articles, photographs and other visual texts, brochures, maps, tables, graphics, infographics, surveys, advertisements, emails, websites, workplace documents, etc.		

Reading includes both literary and informational texts.

Cognitive Domain

Low complexity (recall and reproduction)		20% - 30%
<ul style="list-style-type: none">Items require recognition of previously learned information, such as a fact, a definition, a term, a concept, a principle, or performance of a simple procedure.		
Moderate complexity (skills and concepts)		40% - 50%
<ul style="list-style-type: none">Items require application of knowledge of one or more concepts and making decisions about how to approach a question or problem, how ideas relate, or what tools to use.		
High complexity (strategic thinking)		20% - 30%
<ul style="list-style-type: none">Items require interpretation, analysis, generalization, abstract reasoning, judgement, or connection of information and evidence in context.		

Every subject includes a **cognitive complexity overview**.

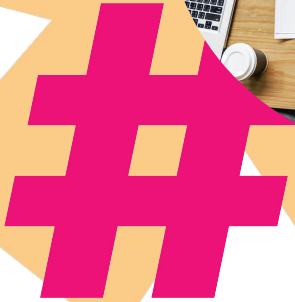
What did we learn?



The CAEC is very different from the GED due to the introduction of the following changes:

1. Digital
2. Content
3. Cognitive complexity.

However, math has fewer content and complexity changes.



Digital



Interface

Navigation buttons

Accessibility tools

Digital sources to read and interpret

At least **13 different types** of
Interactive test questions

Virtual measurement tools

Word processing and composing
online

Content



Canadian content

Less print and more visuals

Solid background knowledge needed

- Some science questions don't have sources
- Some social studies questions assume certain types of knowledge
- A few different types of math questions are introduced

Cognitive Complexity



Test questions reflect three types of knowledge and thinking:

1. Recall and reproduction
2. Application of skills and concepts
3. Strategic thinking and reasoning.

The application of skills and concepts along with the use of strategic thinking and reasoning require more confident and comprehensive knowledge.

Digital

- Question 3
- Question 4
- Question 5
- Family Camping
- Question 6
- Question 7
- Question 8
- Question 9
- Question 10
- German Potato Salad
- Question 11
- Question 12
- Question 13
- Question 14

May 2, 2023 * 23 Comments

JUMP TO RECIPE

SAVE TO MY RECIPES



German Potato Salad

German Potato Salad

SOUPPER DESSERT FAVOURITES

Create dressing

Boil potatoes

Cook bacon and onions

Combine all ingredients

Peel back potato skin

First step of the recipe

↓

↓

↓

↓

↓

↓

↓

Last step of the recipe

Digital skills and knowledge demands of the CAEC



1. Interpret a large amount of **information displayed on the screen**
2. **Navigate the test interface** and using a variety of digital tools
3. Respond to at least **13 different kinds** of multiple-choice questions that require a variety of digital skills and knowledge
4. Read and interpret **content from online environments**, particularly in the reading section.



While digital skills and knowledge are not the focus of the CAEC tests, they are essential for success. The digital skills are not separate from the content but are a means through which learners can show what they know in the content areas. Instructors across all subject areas should be aware of the digital demands of the tests and should receive training to understand and manage the cognitive load that some learners will feel.

Monica Leong

- 12:34
- Navigate the assessment
- Texts and Questions
- Online Shopping
 - Question 1
 - Question 2
 - Question 3
 - Question 4
 - Question 5
 - Family Camping
 - Question 6
 - Question 7
 - Question 8
 - Question 9
 - Question 10
 - German Potato Salad
 - Question 11
 - Question 12
 - Question 13
 - Question 14
 - Question 15
 - Rental Listings
 - Question 16


12:34

FOOD Lee Your 'go to' for weekly recipes!

ALL RECIPES BREAKFAST LUNCH SUPPER DESSERT FAVOURITES

May 2, 2023 • 23 Comments

JUMP TO RECIPE SAVE TO MY RECIPES



German Potato Salad

German Potato Salad

One of my favourite summer memories is having dinner on the patio with my family. My dad would barbecue chicken and my mom would make her classic German potato salad. I have never known anyone to make potato salad like her. Her potato salad was served warm. It was creamy and had lots of eggs, bacon, and pickles to add zest and flavour to

Question 14

Flag this question

Hide/Show Information

Arrange the steps in the correct order, according to the recipe.

First step of the recipe

↓

↓

↓

↓

↓

↓

↓

↓

Last step of the recipe

Create dressing

Boil potatoes

Cook bacon and onions

Combine all ingredients

Peel back potato skin

100%

Navigation icons: search, zoom, edit, share, home, etc.

Sample Tests

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- CCEA Mathématiques Partie I
- CCEA Mathématiques Partie II
- CCEA Sciences
- CCEA Études Sociales

Select the features that apply to each archeological site identified in the source.

	Carved into Rock	Could have originated more than 600 years ago	Contains Representations of Animals	Presents the Human Form
Sproat Lake	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Writing-on-Stone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Agawa	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Traditional single-select multiple choice example.

If the pattern continues, then how many more grey tiles will the homeowner need to finish tiling the floor?

12

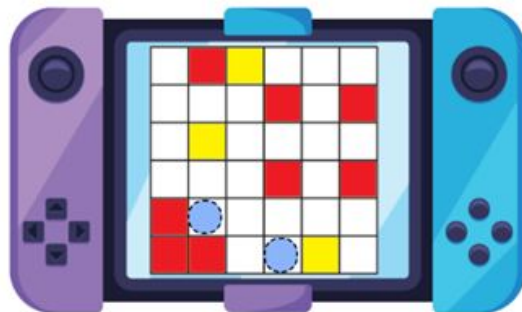
15

24

27

A partially completed 3-In-A-Row puzzle is shown below.

When the puzzle is completed correctly, select the colours that will be in the blue spaces.



Identify the proper storage of the solution and a necessary precaution to take when handling the solution.

Proper Storage of the Solution	A Necessary Precaution When Handling the Solution
<input type="text"/>	<input type="text"/>
<ul style="list-style-type: none"> Store in a ventilated place Store in a cool, dark, sealed place 	

Match each target board with the **most accurate** description of the hits on the board.

Target Board	Description
	Reliable and valid
	Reliable and invalid
	Unreliable and valid
	Unreliable and invalid

Identify the choices that complete the two statements below.

As a result of the studies, a change that should occur is that manufacturers should

An appropriate area for future research based on the results of the studies is to

- put a warning label on plastics that contain the chemical.
- replace the chemical with a different substance that has not been studied.
- determine if humans previously exposed to the chemical have an increased occurrence of cancer.
- test plastics that contain the chemical in different conditions to see how long they last before breaking down.

Arrange the steps in the correct order, according to the recipe.

First step of the recipe

↓

↓

↓

↓

↓

↓

↓

Last step of the recipe

- Cook bacon and onions
- Combine all ingredients
- Boil potatoes
- Create dressing
- Peel back potato skin

Sort the provinces and territories listed into the correct ecological zones from the selections provided that covers the largest portion of the province or territory.

- Nova Scotia
- Quebec
- Ontario
- British Columbia
- Saskatchewan
- New Brunswick
- Yukon

- Cordillera
- Interior Plains
- Canadian Shield
- Appalachian Region

Place the labels in the appropriate target in the diagram according to the information in the source.

Features of Economic Systems

Element of a Government Centred Economy

Element of Both

Element of a Market Economy

- Goal of a prosperous population
- Public health care
- Low business taxes

Classify each statement about the photograph below as either an inference or an observation.

Observation Inference

Statements

- The person is camping overnight in a tent.
- The water is reflecting the image of the hills.
- The fire is producing smoke.
- The air temperature is quite cold.



May 2, 2023 • 23 Comments

[JUMP TO RECIPE](#) [SAVE TO MY RECIPES](#)



German Potato Salad

German Potato Salad

One of my favourite summer memories is having dinner on the patio with my family. My dad would barbecue chickens and my mom would make her classic German potato salad. I have never known anyone to make potato salad like her. Her potato salad was served warm. It was creamy and had lots of eggs, bacon, and pickles to add zest and flavour to the potatoes.

As an adult, I've started to appreciate my mom's tips and tricks for creating this delicious recipe. She boils the potatoes with the skins on and then peels them while they are still warm. Finding that sweet spot to peel the potatoes while still warm, but before they get too cold, is the challenge!

Ingredients:

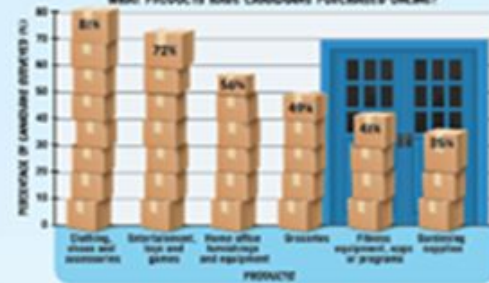
- 2 lbs Yukon Gold Potatoes (or any yellow potato)
- 5 hard-boiled eggs (or more!), chopped
- 4 slices of bacon, chopped
- 4 large dill pickles, chopped
- 1 small onion, chopped
- 1/4 cup of fresh parsley, chopped
- 1/4 cup of mayonnaise
- 6 tbsp of vinegar (or pickle juice)
- 2 tablespoons of mustard powder

ONLINE SHOPPING IN CANADA

AGE OF CANADIANS WHO ARE SHOPPING ONLINE



WHAT PRODUCTS ARE CANADIANS PURCHASING ONLINE?



WHY DO CANADIANS CHOOSE TO SHOP ONLINE?

- No crowds
- Convenience
- No sales pressure
- Larger inventory
- Easy price comparison



WHAT ARE SOME RISKS OF ONLINE SHOPPING?



How to support learners



1. **Understand where learners are at** with their digital skills and confidence
 - Rely on conversation and observation
2. Perceive and address **emotions**
 - Reduce the cognitive load
 - Watch for increased stress and frustration
 - Introduce tools slowly and thoughtfully
3. Provide **explicit instruction** and time to practise with the test
 - Practise using all CAEC tools
4. Support learners to understand and **control what they see on the screen**

Text-to-speech

Magnifying
tools

Line reader

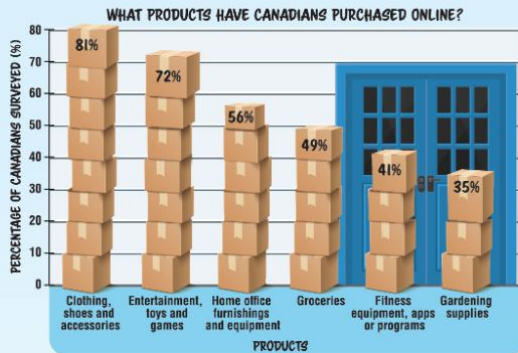




Reading



- Question 1
- Question 2
- Question 3
- Question 4
- Question 5
- Family Camping
- Question 6
- Question 7
- Question 8
- Question 9
- Question 10



According to the information, which type of products have Canadians purchased the most online?

Groceries

Gardening supplies

Clothing, shoes and accessories

Entertainment, toys and games

WHY DO CANADIANS CHOOSE TO SHOP ONLINE?

Reading skills, knowledge and strategy demands



1. Read mostly a variety of **informational texts** that mimic those an adult may encounter in day-to-day living.
2. Read **online content** such as an infographic, a recipe posted on a blog, an informational post, an email, and results from an online search on a short-term rental platform
3. Interpret and read **numerous design elements** that accompany the printed information, such as colour, photos, graphics, inactive navigational buttons, comments, charts, and tables.
4. Draw on **background knowledge** related to literal or figurative meaning of words and phrases, organizational structures and features, usage and correctness of grammar and punctuation, syntactic structures and topics related to work, learning, recreation, etc.

https://family_camping_trip.blog.org

Family Camping

Family vacations are priceless. We enjoy a great time with the kids, but is it all worth it? Flights, hotels, and food all add up to fun, but pricey getaways. Our solution to maximizing enjoyable family adventures while minimizing cost was to purchase a trailer and give camping a try. Campgrounds and RV parks are priced lower than hotel rooms, and food costs are reduced when you make your own meals. And since both my husband and I camped as kids, we had an idea of what to pack, how to set up and take down the RV utilities, and how to maintain it.

We chose a trailer that our vehicle could easily tow and with a layout that worked for our family. The bathroom included a sink, a toilet and a shower. We had a double bed in the bedroom, a night table on each side and a wardrobe with mirrors. The eating area was a bit tight, but there was enough room to prepare meals. There was even a small couch and a television, and to the right of that there was a small area for curling up with a book. Past this area behind curtains, there were two single beds for the kids. We planned on spending most of our time outdoors, but it was nice to know that we had a place to go if the weather was bad.

Our first few trips were great. Set up and take down were a bit time consuming, especially if we were only staying one or two nights, but we enjoyed ourselves. Most campgrounds had little to no internet service, so we were occupied with a variety of outdoor activities. If it rained, we spent time in the trailer playing board games and cards.

We soon discovered, however, that we were definitely not alone in our decision to take our family on the road. The popularity of camping had skyrocketed. Reservations often needed to be made months in advance to ensure a spot at a campground. Impromptu weekends at campgrounds close to home were almost impossible. We found that we were not getting the use out of the trailer that we had hoped for.

We decided that a perfect solution would be to find a camping spot where we could park and leave the trailer set up, then use it whenever we wanted. After some research, we located a small campground, within an hour from home, that had seasonal camping sites. There were many amenities, including a playground, group fire pits and a small beach. It was perfect! No more worrying about reservations, setting up and taking down or long drives. We just needed to pack enough food and clothes for a weekend. A bonus was that there was an established community of families that became our close friends. We have finally found our happy family vacation spot, and we are looking forward to many future camping adventures!

Email Settings Contacts

Search Star Share

Family Camping

- Most straightforward example of the source texts to read
- Mimics a blog post
- Digital elements are inactive
- 491 words
- Grade 8 readability level

Source I

Four friends are going to Winnipeg for a hockey game. One friend has sent an email to the others about the accommodation options.

Hi guys! We have tickets to a professional hockey game in downtown Winnipeg this weekend. We will be driving, and we need the perfect place to stay. We would like to rent a modern space for the four of us for two nights. It needs to be in the heart of downtown (preferably near Portage & Main), close enough to Canada Life Centre to get to the hockey game by transit but also within walking distance to downtown. To lower the cost of the trip, we would like at least two bathrooms and a kitchen in which to prepare our meals. Free parking would be an asset. We are hoping to stay within our budget (\$300 to \$400 for all of us, both nights). This is going to be so much fun!

After searching for the perfect place, I was unable to find a listing that meets all of our requirements. However, we should consider the following four listings.

Cheers,

Matt

Source II

Below are the four listings from the email.

Search: Winnipeg

Backyard Guest House
 Location: [Map]
 Choice 1:
 • Quiet but cozy guest house in a backyard
 • \$175 per night
 • 2 bedrooms
 • 1 bathroom
 • Toaster, microwave, coffee pot
 • Free street parking
 • 15 kilometres drive from downtown
 • 15 minute walk to transit

Studio apartment
 Location: [Map]
 Choice 2:
 • Modern and sleek 12th floor studio apartment
 • \$200 per night
 • 1 bed in living area and a pullout couch
 • 1 bathroom
 • Full kitchen
 • Additional charge for parking per night
 • 5 minute walk to transit and downtown

Suburb spacious home
 Location: [Map]
 Choice 3:
 • Trendy and spacious home in the suburbs
 • \$175 per night
 • 3 bedrooms and a den with pull-out couch
 • 2 bathrooms
 • Kitchen
 • 2 car garage
 • 20 kilometres drive from downtown
 • No access to transit

Downtown condo
 Location: [Map]
 Choice 4:
 • Downtown Condo
 • \$225 per night
 • 1 bedroom and a pull-out couch
 • 1.5 bathrooms
 • Kitchen
 • Additional charge for parking per night
 • Easy access to transit
 • Close to the Forks Market, Cityplace
 • Winnipeg Shopping Centre & Museums

Two sources to read

Networking Cover Letter

Natacha is looking for a job. She has asked her friend Rob to take a look at her networking cover letter before she posts it online. Rob has provided feedback.

https://Natacha@workblog.org

@ Natacha

Comments

@Rob

Hey everyone! I'm on the lookout for a job in sales or service or something like that.

I'm pretty good at verbal communication and being nice to people assisting others. For example, I have done some things like helped out at a garage sale at my grandma's old folks home. The retirees we're grateful. There must be lonely at times.

I really like working with others and learning new skills. Teamwork is awesome, but so is working alone I guess! I have some skills like being good with people, counting money, and I'm excited to use them at a job that needs those.

I like learning new things and every day is a chance to learn and grow. I really need a job that's not super uptight, but still pays the bills! Please help me if you've got the inside scoop on awesome job spots or places looking for someone like me! Reach out as soon as you can!

I'm excited about the prospect of contributing my expertise to a forward-thinking organization. If you are looking for a professional who is passionate about work and dedicated to achieving excellence, let's connect immediately! I'm open to exploring new opportunities and am eager to bring my skills to a team that values innovation and growth.

#FutureProfessional #JobExplorer
 #LearningOnTheJob #TeamworkRocks
 #CuriousMind #ReadyForTheNextChapter

Comment 1: Review your first 2 lines.

Comment 2: Check your grammar here.

Comment 3: Be more precise.

Comment 4: Is this the tone you want to portray?

Comment 5: Review your sentence.

Email Settings Contacts

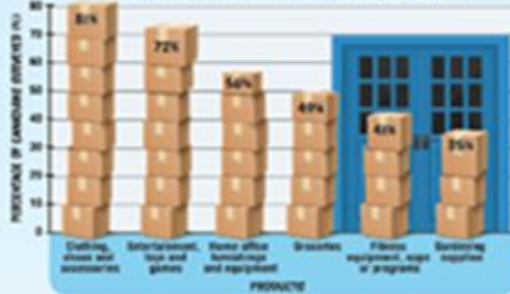
ONLINE SHOPPING IN CANADA

AGE OF CANADIANS WHO ARE SHOPPING ONLINE



Bar graph

WHAT PRODUCTS HAVE CANADIANS PURCHASED ONLINE?



Bar graph with illustrative elements

WHY DO CANADIANS CHOOSE TO SHOP ONLINE?

- No crowds
- Convenience
- No sales pressure
- Larger inventory
- Easy price comparison



Illustration with bulleted list of information

WHAT ARE SOME RISKS OF ONLINE SHOPPING?



Illustration with bits of information

CAEC reading outcomes



Content and context		50% - 55%
1.1	Locate and retrieve explicit ideas or information from texts.	
1.2	Interpret the literal or figurative meaning of words and phrases based on the contextual information presented in a text.	
1.3	Determine and analyze supporting ideas or information within texts.	
1.4	Evaluate, integrate, and synthesize ideas or information from texts to make connections and draw conclusions.	
Structure, elements, techniques		25 - 30%
2.1	Identify and analyze organizational structures and features of literary and informational texts.	
2.2	Determine and evaluate the purpose and effect of literary devices in texts.	
Grammar, syntax, and language conventions		20 - 25%
3.1	Apply and analyze usage and correctness of grammar and punctuation.	
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Source I

Four friends are going to Winnipeg for a hockey game. One friend has sent an email to the others about the accommodation options.

Hi guys! We have tickets to a professional hockey game in downtown Winnipeg this weekend. We will be driving, and we need the perfect place to stay. We would like to rent a modern space for the four of us for two nights. It needs to be in the heart of downtown (preferably near Portage & Main), close enough to Canada Life Centre to get to the hockey game by transit but also within walking distance to downtown. To lower the cost of the trip, we would like at least two bathrooms and a kitchen in which to prepare our meals. Free parking would be an asset. We are hoping to stay within our budget (\$300 to \$400 for all of us, both nights). This is going to be so much fun!

After searching for the perfect place, I was unable to find a listing that meets all of our requirements. However, we should consider the following four listings.

Cheers,

Matt

Source II

Below are the four listings from the email.

Search: Winnipeg

Backyard Guest House
 Choice 1:
 • Quiet but cozy guest house in a backyard
 • \$175 per night
 • 2 bedrooms
 • 1 bathroom
 • Toaster, microwave, coffee pot
 • Free street parking
 • 15 kilometres drive from downtown
 • 15 minute walk to transit

Studio apartment
 Choice 2:
 • Modern and sleek 12th floor studio apartment
 • \$200 per night
 • 1 bed in living area and a pullout couch
 • 1 bathroom
 • Full kitchen
 • Additional charge for parking per night
 • 5 minutes walk to transit and downtown

Suburb spacious home
 Choice 3:
 • Trendy and spacious home in the suburbs
 • \$175 per night
 • 3 bedrooms and a den with pull-out couch
 • 2 bathrooms
 • Kitchen
 • 2 car garage
 • 20 kilometres drive from downtown
 • No access to transit

Downtown condo
 Choice 4:
 • Downtown Condo
 • \$225 per night
 • 1 bedroom and a pull-out couch
 • 1.5 bathrooms
 • Kitchen
 • Additional charge for parking per night
 • Easy access to transit
 • Close to the Forks Market, Chipotle, Winnipeg Shopping Centre & museums

In Source I, the four friends indicate their need to rent a space with a kitchen because they want to

avoid crowds

be near downtown

have more time for shopping

save money

Low complexity

Select the row that identifies the purposes of the parentheses used in [lines 3 to 4](#) and [line 7](#).

Row	“(preferably near Portage & Main)”	“(\$300 to \$400 for all of us, both nights)”
<input type="radio"/>	insert an unusual suggestion	review the total cost
<input type="radio"/>	show an alternative location	insert details from the readers
<input type="radio"/>	give a common suggestion	explain the purpose of the price
<input type="radio"/>	provide a precise location	describe the four friends' budget

Moderate complexity

Based on details in Source I, which of the rental choices in Source II is **most appropriate** for the needs of the four friends?

Choice 1

Choice 2

Choice 3

Choice 4

High complexity

Recognizing cognitive complexity in test questions

Low complexity	<ul style="list-style-type: none">● Recall and reproduction of information, knowledge and skills● Indication of where or how to determine the answer● One step process, such as matching test question phrase and text phrase● Source to read and interpret contains only one element such as text or an equation
Moderate complexity	<ul style="list-style-type: none">● Application of skills and concepts● Might or might not be an indication of answer location● Two step processes are involved● Source to read and interpret contains more complex elements like charts or diagrams
High complexity	<ul style="list-style-type: none">● Reasoning, interpretation and generalization needed; no clear cut answer provided● More than one source must be consulted● Three or more steps are needed to determine an answer or write a response● Multiple sources could also contain more complex elements

Combine active and explicit instruction to support learners



Make opportunities for deep and engaged reading in a digital world that promotes superficial reading

Deep reading involves personal and meaningful engagement with text.

It leads to more intrinsically motivated reading, and

Deep reading leads to confident and independent reading.

Suggested resources are in the full report

Explicit instruction is focused on developing the specific skills, knowledge and strategies that are assessed

- Tables and charts to convey data-driven information
- Literary devices
- Basic punctuation
- Grammatical structures
- General reading vocabulary and specific word choices to enhance meaning
- Similar online topics.



Writing

System

Option 2: Off-Leash Dog Area

Writing Space

Continue to Review

You work for a company where management has recently proposed to implement a video security system in the workplace. Those in favour of the proposal believe that it will increase safety and security, while those opposed believe that it has the potential to be misused and is an invasion of privacy.

In deciding whether to agree or disagree with the proposal, your company has invited employees to make their views known. You are an employee of the company. You have considered information and opinions from various sources. After considering the advantages and disadvantages of the proposal, you have determined your position. You now need to write a persuasive letter or email that makes clear:

- whether you agree or disagree with the proposal
- the arguments and support for your position

The Task

Write a letter or email to your Management that clearly explains why you **AGREE** or **DISAGREE** with the proposal to implement a video security system in the workplace.

In preparing your letter or email, **BE SURE TO**

- read the information in the sources
- clearly state whether you **AGREE** or **DISAGREE** with the proposal

THE TASK

Write a letter or email to your Management that clearly explains why you **AGREE** or **DISAGREE** with the proposal to implement a video security system in the workplace.

Management Memo

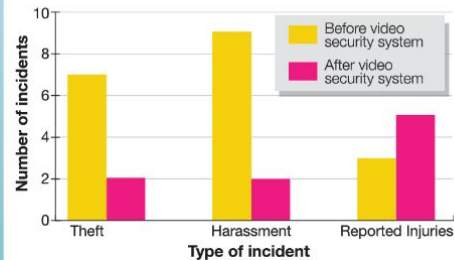
To < All-Staff >

Subject **Video Security System**

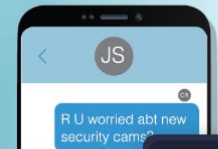
Video Security System – Research Review of Benefits

- Employee safety
- Increased productivity
- Reduced operating costs
- Decreased worksite incidents

Sanderson Tech Resources Worksite Incidents Per Year



MODERN WORKPLACE TRENDS



Writing skills, knowledge and strategy demands



1. Compose a persuasive argument in the form of a formal letter or email using background information, sources provided and/or personal knowledge.
2. Test-takers can choose one of two topics.
3. Reading is as important in the writing section as writing, and the text to read is more difficult than the texts in the reading section.

Writing Space

[Flag this question](#) [Hide/Show Off-Leash Dog Area](#) [Hide/Show Video Security System](#)

Please write your response in the space below.

B *I* U

100%

Left Split Right Back Next

PERSUASIVE WRITING (Option 2)

Read the situation described below and use it to complete the writing task that follows.

The Situation

City council has put forward a proposal that would allow dogs to be off-leash in Liberty Gardens, a community greenspace. Residents who are in favour of the proposal express the need for urban dogs to run and play freely. Those opposed are concerned about the safety and waste management issues associated with a multi-use park.

City council is requesting feedback on the proposal to allow dogs to be off-leash in Liberty Gardens. You are a resident who has gathered information and opinions from a variety of sources. After considering the advantages and disadvantages of the proposal, you have determined your position. You now need to write a persuasive letter or email to city council that makes clear:

- whether you agree or disagree with the proposal
- the arguments and support for your position

The Task

Write a letter or email to city council that clearly explains why you **AGREE** or **DISAGREE** with the proposal to allow dogs to be off-leash in Liberty Gardens.

In preparing your letter or email, BE SURE TO

- read the information in the sources
- clearly state whether you **AGREE** or **DISAGREE** with the proposal
- develop and support your arguments with appropriate details
- organize your arguments in a logical order
- consider your audience, your tone and your voice
- check sentence structures, usage, grammar, words and expressions

To support your position, you may use

- the information in the sources
- your own knowledge and/or experiences
- a combination of both

Option 2: Off-Leash Dog Area

[Hide/Show Task](#)

THE TASK

Write a letter or email to city council that clearly explains why you **AGREE** or **DISAGREE** with the proposal to allow dogs to be off-leash in Liberty Gardens.

City Council Meeting Minutes

4.0 Off-Leash Proposal for Liberty Gardens

Highlights of the proposal:

- Park hours will remain from 5:00 a.m. to 11 p.m.
- Liberty Gardens will remain open to the public. Dogs will not need to be leashed, but dog owners must maintain control of their dog at all times.
- Fencing and pet waste stations with bag dispensers will be installed.
- The city maintenance department will continue to regularly service the greenspace.
- Costs associated with this proposal will be covered with funds from this year's recreation budget.

WEEKLY UPDATE

PET POINTS: WEEKLY PET ADVICE

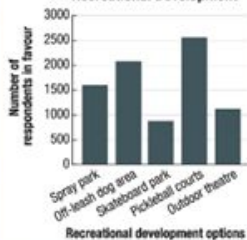
As a veterinarian, I need to caution how you approach outdoor, off-leash time with your dog. Make sure your dog is up-to-date on all vaccinations. Dogs must also be trained to come to you on command. Next, remember that some dogs are not ready for the excitement of off-leash areas. Know when your dog is becoming uncomfortable, overwhelmed or overexcited.

Being a responsible dog owner is essential, both for the safety of your dog and for the safety of others.

Community Chat

- @Tan12: I do not want dogs running around during my family picnic.
- @PetLover585: I love that my dog can run! But, where's the parking?
- @Spence14: I don't want my taxes to go to a space for dogs. I don't own a dog!
- @Foodie77: I'm excited! I'm going to make the patio at my restaurant dog-friendly.

Survey Results on Potential Recreational Development



Proposed location



Combine active and explicit instruction to support learners



Active learning

Discuss, read about and respond in writing (online and offline) to a variety of community issues and local news stories.

Use community news sites, pages or email updates and printed community newspapers, if available.

Choose topics of interest together and create a scenario. Include snippets of information found in the various sources.

Explicit instruction

Create or collect models of strong writing that address the CAEC outcomes. Together with learners, make explicit connections between the model and each of the CAEC outcomes.

Emphasize that this writing is very analytical and strategic rather than expressive or creative.

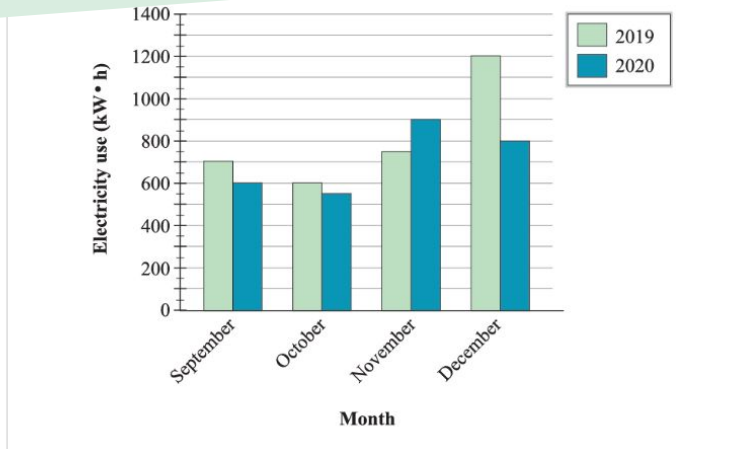
Comparing strong and weak examples can help learners acquire these analytical skills. Working together and engaging in a discussion will help learners see their writing more objectively.

Suggested resources are in the full report



Math

- Question 2
- Question 3
- Question 4
- Question 5
- Question 6
- Question 7
- Question 8
- Question 9
- Question 10
- Question 11
- Question 12



In 2019, the range of electricity use from September to December was and in 2020, the median electricity use from September to December was .



Math skills, knowledge and strategy demands



1. CAEC mathematics assesses a **more condensed set of math skills and knowledge** than the 2002 Canadian GED®.
2. Many of the questions in **Part II of the CAEC are similar to those found on the GED®**, both in terms of content and question design.
3. The **calculator-free section of the CAEC (Part I) is half the length and value**. There are **no word problems**, only expressions to be simplified or equations to be evaluated.
4. The **more abstract content found in the GED® is not present**. There are no questions about quadratics, lines on a Cartesian plane, inequalities, laws of exponents, scientific notation, or properties of lines or angles.
5. The **vast majority of the test questions are considered moderate complexity**, requiring test-takers to apply skills and concepts to make decisions about how to approach a question or problem, how ideas relate or what tools to use.

		GED ⁸	
		Canada	CAEC
Number operations and number sense	Compare or sort numbers (including fractions)	✓	✓
	Use place value for rounding	✓	✓
	Represent and use numbers in a variety of equivalent forms (integers, fractions, decimals, percents, exponents)	✓	✓
	Represent and use numbers in scientific notation	✓	
	Perform addition, subtraction, multiplication, and division with and without a calculator	✓	✓
	Choose and sequence operators to solve problems	✓	✓
	Identify relevant information from passages and other sources.	✓	✓
	Use exponents and roots in geometric problem solving	✓	✓
	Apply properties of exponents to simplify expressions	✓	
	Rate and ratio	Solve rate problems involving distance/time/speed	✓
Solve rate problems involving wage/costs		✓	✓
Solve ratio problems involving scale (e.g. maps and diagrams)		✓	✓
Solve ratio problems involving equivalent triangles		✓	✓
Solve ratio problems involving part-to-part ratios		✓	✓
Solve ratio problems involving part-to-whole ratios		✓	✓
Solve ratio problems involving part-to-part-to-part ratios (e.g., 5:12:13)		✓	✓
Perform metric/metric conversion (no rate provided)		✓	✓
Perform metric/imperial conversion (rate provided)		✓	✓
Calculate simple interest (with a provided formula)		✓	✓
Algebra	Simplify expressions and solve equations using order of operations (with both known and unknown values)	✓	✓
	Evaluate expressions after substitute values for unknowns	✓	✓
	Recognize expressions which appropriately model problems	✓	

		GED ⁸	
		Canada	CAEC
Solve problems with linear algebra	Create algebraic equations to solve problems	✓	✓
	Manipulate polynomials with unknowns <ul style="list-style-type: none"> • Collecting like terms • Using the distributive property • Requiring factoring 	✓	✓
	Extrapolate or interpolate from linear relationships shown in table or graph form	✓	✓
	Understand and use the slope-intercept formula	✓	
	Calculate slope	✓	
	Identify or calculate x and y intercepts from an equation or graph	✓	
	Solve for an unknown x or y when given the other	✓	
	Verify points on a line	✓	
	Identify and graph points and lines on a Cartesian plane	✓	
	Solve two-step linear equations	✓	
Geometry	Solve and graph inequalities	✓	
	Solve quadratics (limited to assessing possible solutions in a multiple-choice setting)	✓	
	Calculate area, perimeter, and surface area of simple and compound shapes (polygons and circles)	✓	✓
	Calculate volume of prisms, pyramids, and cones.	✓	✓
	Apply properties of lines and angles	✓	
	Apply properties of polygons to solve problems - side lengths of regular and symmetrical polygons	✓	✓
	Apply properties of polygons to solve problems - sum of interior angles	✓	
	Solve problems using the Pythagorean relationship.	✓	✓
	Identify congruent figures	✓	✓
	Probability and statistics	Calculate probability of independent events	✓
Identify and calculate mean, median, and mode		✓	✓
Identify the effect of outliers on mean, <u>median</u> , and mode		✓	✓
Graphs	Analyze impact of sampling choices on collected data	✓	✓
	Use information from line, bar, and pie charts	✓	✓

Part 1 - No calculator



Evaluate and express your answer as an improper fraction in simplest form.

$$2\frac{1}{2} - \frac{2}{3}$$

Answer:

Type answer here

16. A company charges \$60 per day plus \$0.50 per mile for truck rentals. If Greg rents a truck for 3 days and drives it a total of 150 miles, what will the company charge?

- (1) \$110
- (2) \$135
- (3) \$230
- (4) \$255
- (5) \$300

GED had word problems in the calculator free section.

Mostly moderate complexity questions

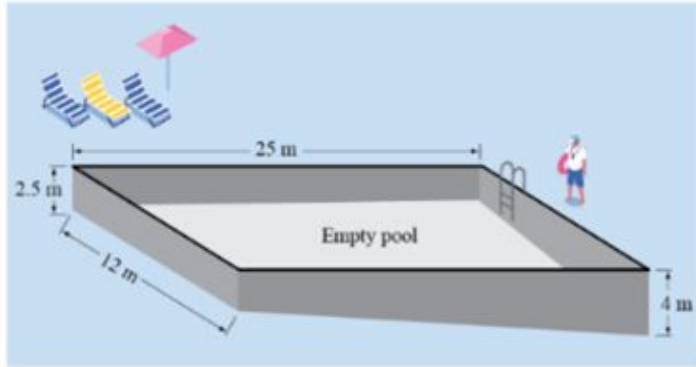


Cognitive Domain

Low complexity (recall and reproduction)	15% - 25%
<ul style="list-style-type: none">Items require recognition of previously learned information, such as a fact, a definition, a term, a concept, a principle, or performance of a simple procedure.	
Moderate complexity (skills and concepts)	70% - 80%
<ul style="list-style-type: none">Items require application of knowledge of one or more concepts and making decisions about how to approach a question or problem, how ideas relate, or what tools to use.	
High complexity (strategic thinking)	5% - 15%
<ul style="list-style-type: none">Items require interpretation, analysis, generalization, abstract reasoning, judgement, or connection of information and evidence in context.	

Number sense example

An empty rectangular community swimming pool has a deep end and a shallow end. The dimensions of the swimming pool are shown below.



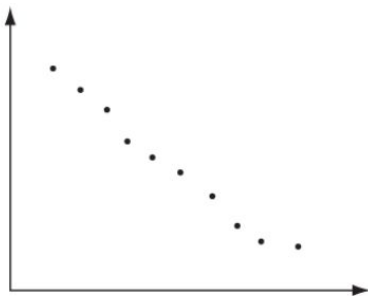
Note: 1 cubic metre = 264.17 gallons

If water is priced at \$0.018 per gallon, the cost, to the nearest dollar, to fill the swimming pool will be \$.

This question requires the calculation of a volume in metric and the conversion of that volume to imperial before the final rate can be applied.

Patterns and relations example

A scatterplot is shown below.



Question 13

[Hide/Show Scatterplot](#)

[Flag this question](#)

Which of the following relationships could represent the information displayed in the scatterplot?

The speed of a car versus the total distance the car travels

The distance a person runs versus the number of calories burned

The number of minutes a candle is lit versus the height of the candle

The number of hours a person works versus the amount of money paid

This question doesn't require any calculations but does require a conceptual understanding of linear relationships. It is also moderate complexity.

Patterns and relations to practise

A homeowner is tiling a bathroom floor using the pattern of black and grey tiles shown below.



Question 1

[Hide/Show Tiles](#)

[Flag this question](#)

If the pattern continues, then how many more grey tiles will the homeowner need to finish tiling the floor?

12

15

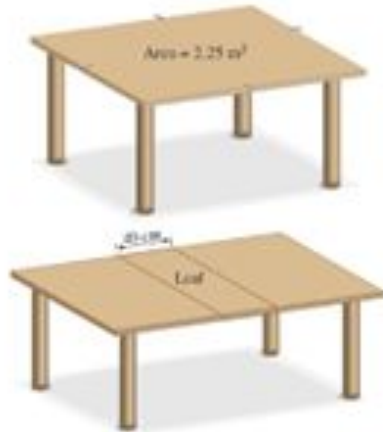
24

27

Pattern extension questions and logical reasoning questions, as shown above, will often be based on visual sources. These questions may feel unfamiliar to people and should be given specific attention.

Geometry and measurement example

The square table shown below opens in the middle so that rectangular leaves each with a width of 40 cm can be inserted and the table made longer.



Question 3

[Hide/Show Table](#)

[Flag this question](#)

The number of leaves that are needed to increase the area of the table to 4.05 m² is

Questions will often involve working backwards from an area, volume, or perimeter to find a length.

Data management and probability example

The graphs below show the distributions of salaries for residents in two different cities.



Question 19

[Hide/Show Salary Distributions](#)

[Flag this question](#)

The mode salary range for City A is

The mode salary range for City B is

\$20 000 – \$30 000

\$30 001 – \$40 000

\$40 001 – \$50 000

\$50 001 – \$60 000

\$60 001 – \$70 000

\$70 001 – \$80 000

Questions will require the calculation of mean, median, mode, and range from given values or information presented in a graph.

How to support learners

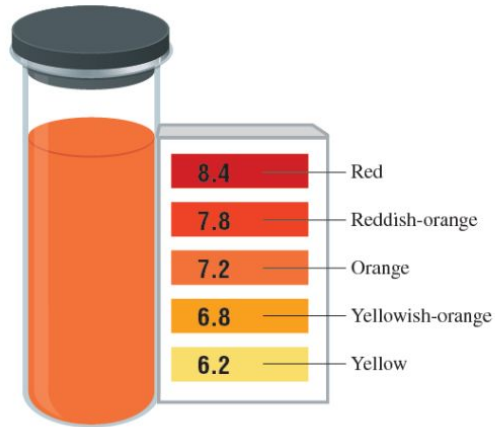


1. Build math skills using a variety of resources. Many can be repurposed.
2. Prepare for the CAEC test using similar questions. Also consult the [Alberta Provincial Achievement Tests \(PATs\)](#).
3. Mix multiple-choice and direct entry answers into question sets.
4. Develop multi-step questions and questions that work backwards.
5. Provide multiple strategies for solving problems that could be solved by creating a linear equation.
6. Build skills for identifying and collecting relevant information.
7. Review pattern extension problems.



Science

...indicator are added to the sample, and the sample is sealed and shaken. The colour of the sample is then compared to the colour chart.



Based on the results of the drop test, the hot tub water has a pH of

- Question 14
- Question 15
- Question 16
- Question 17
- Question 18
- Question 19
- Question 20
- Question 21
- Question 22
- Question 23
- Question 24



100%

Science skills, knowledge and strategy demands



1. The CAEC science test **doesn't assess particular content knowledge**. It only assesses broader scientific topics --- the nature of science, scientific inquiry skills, and science, tech, society, and the environment.
2. Some **questions don't have a source to read and interpret**. Test-takers will have to draw on their scientific knowledge.
3. Most of the questions are **moderately complex** and focus on the application of scientific concepts like bias, validity, reliability or hypothesis in authentic scenarios.
4. Test-takers will be presented with **a variety of sources and test-questions types**.



Questions

 Question 1 Question 2 Question 3 Question 4 Question 5 Question 6 Question 7 Question 8 Question 9 Question 10 Question 11 Question 12 Question 13 Question 14 Question 15

From the eight descriptions below, select **four** that are characteristics of science.

Relies primarily on evidence

Relies primarily on feelings and opinions

Requires working alone to keep findings secret

Depends on interactions with a community of people

Aims to prove the existence of the supernatural

Aims to investigate and explain the natural world

Is subject to change when there are new discoveries

Stays constant even when new contradictory evidence is presented

Researchers wanted to compare the nutritional value of conventional eggs, organic eggs, and free-run eggs.

- Conventional eggs are laid by hens in small cages and typically cost less to purchase than organic or free-run eggs.
- Free-run eggs are laid by hens that live in an environment where they have access to the outdoors and their movement is not restricted by small cages.
- Organic eggs are laid by free-run hens that are given food that is grown without synthetic fertilizers or pesticides and does not contain chemical additives, such as hormones or drugs.

The researchers purchased two cartons each of several different types of eggs from 14 brands at grocery stores across the Greater Toronto Area. The research team sent the eggs to an accredited food-science laboratory to test levels of cholesterol, protein, and omega-3 fatty acid, as well as vitamins A, D, and E.

—based on CBC *Marketplace*, 2021

Question 5

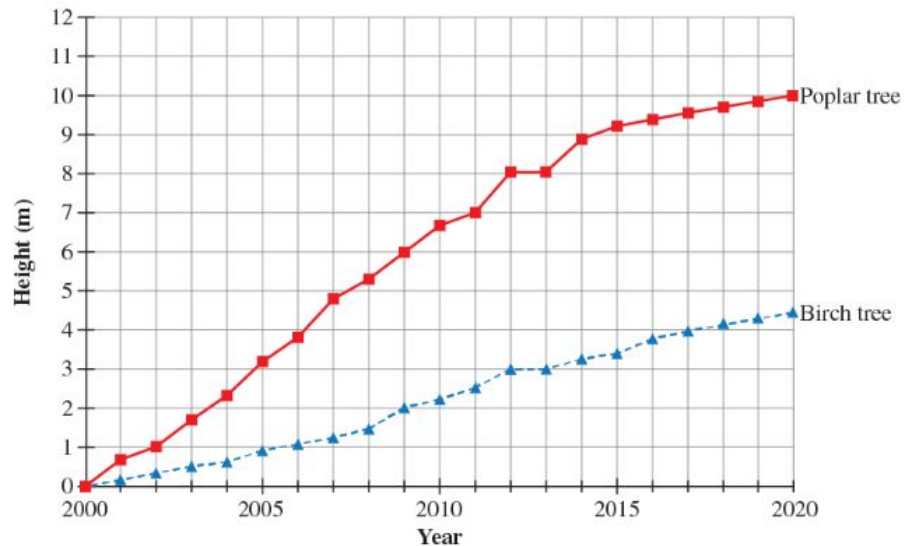
[Hide/Show Egg Information](#)

 Flag this question

Determine whether each action researchers could take below would reduce or increase bias in the experiment.

Actions Researchers Could Take	Reduces Bias	Increases Bias
Purchase all of the eggs for the study at the same grocery store in Toronto.	<input type="checkbox"/>	<input type="checkbox"/>
Purchase and test a larger number of eggs from different cities across Canada.	<input type="checkbox"/>	<input type="checkbox"/>
Pay the researchers a bonus, provided by one of the organic-egg producers if the results of the study are favourable.	<input type="checkbox"/>	<input type="checkbox"/>
Do not let the laboratory testers know which eggs are conventional, organic, or free-run until after they do the tests.	<input type="checkbox"/>	<input type="checkbox"/>

A poplar tree seedling and a birch tree seedling were planted on opposite sides of a home. At the beginning of each year, the homeowner recorded the height of each tree in metres (m).



Question 27

[Hide/Show Tree Graph](#)

[Flag this question](#)

Low complexity

The height of the birch tree at the beginning of 2009, to the nearest metre, was m.

Question 28

[Hide/Show Tree Graph](#)

[Flag this question](#)

During one of the years, severe drought with little rainfall affected the growth of the trees.

The year in which the drought **most likely** occurred was .

Low complexity

Question 29

[Hide/Show Tree Graph](#)

[Flag this question](#)

Which of the following conclusions is supported by the data?

Birch trees have a slower growth rate than poplar trees in a forest.

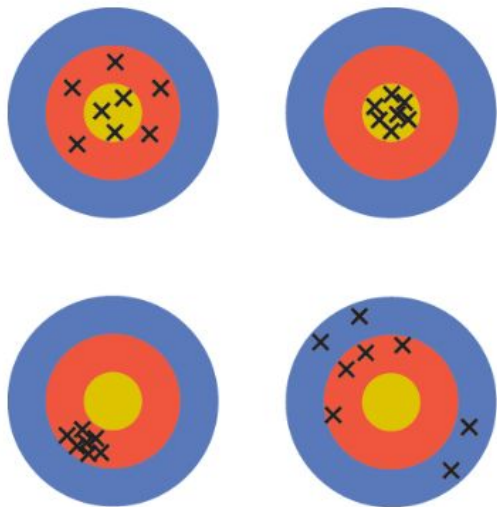
The poplar tree had a higher growth rate than the birch tree.

The birch tree will eventually grow taller than the poplar tree.

Poplar trees grow more quickly in locations with more sun exposure.

Moderate complexity

Target boards are often used as an analogy to help illustrate the relationship between reliability and validity, which are important aspects of a scientific investigation. The goal of anyone using a target board is to hit the centre circle of the board. Four different target boards are shown below, and the pattern of the hits (x) on each board represents a different combination of reliability and validity.



Question 4

[Hide/Show Target Information](#)

[Flag this question](#)

Match each target board with the **most accurate** description of the hits on the board.

Target Board

Description



Reliable and valid



Reliable and invalid



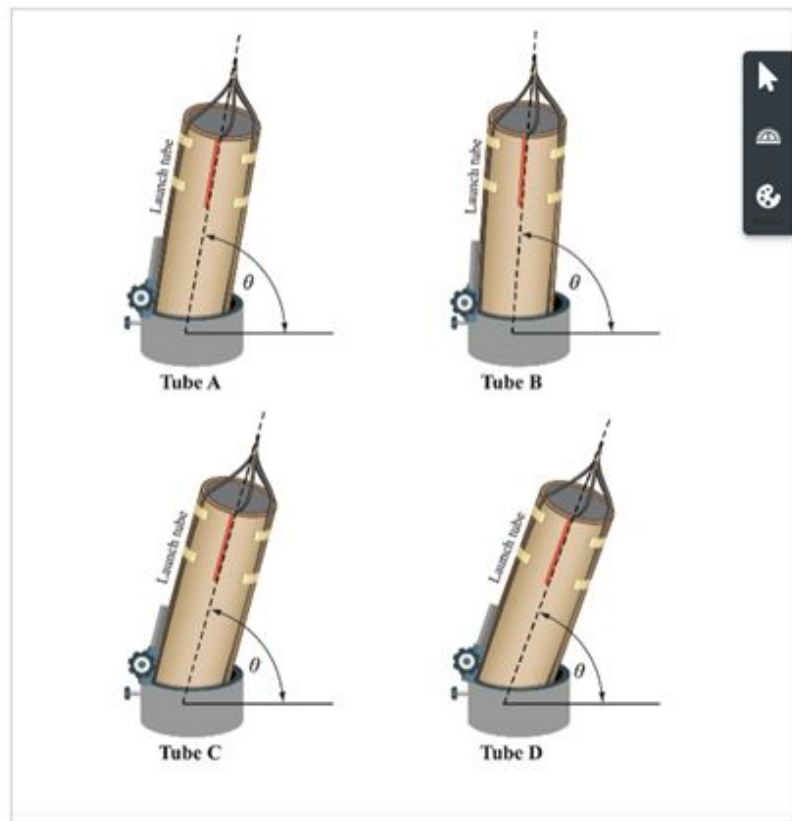
Unreliable and valid



Unreliable and invalid

Pyrotechnicians are responsible for the creation of fireworks displays. To create a particular pattern in a fireworks display, the fireworks tube should be at a 75° angle from the ground and have an inner diameter of 48 millimetres (mm).

The diagrams below show four different angles of a fireworks tube.



How to support learners



Active learning: Do and discuss science

Most of the CAEC science outcomes require the application of knowledge through real-life scenarios and scientific investigations. Use real-life examples to make linkages with the assessed science topics. Focus on the listed scientific concepts and processes in the CAEC outcomes.

Suggested resources are in the full report

Explicit instruction

In addition, test-takers need more specific skills and knowledge to respond to test questions.

- Practise using a protractor and ruler.
- Practise analyzing and interpreting scientific information from tables, graphs, and diagrams.
- Review the Workplace Hazardous Materials Information System (WHMIS 2015) and its pictograms.
- Review the metric system (i.e., Système International d'unités) for all measures and conversions.

Featured resource to get you started



[Science News Explores](#) is a comprehensive online science learning publication with articles and features written by experienced science journalists.

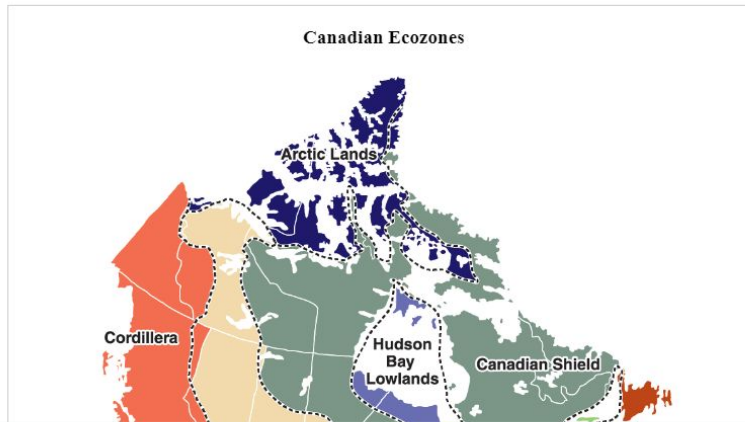
- Help learners understand and apply key scientific concepts using the [comprehensive list of concepts](#). Here is an example for [hypothesis](#). Each entry includes a brief explanatory text and audio narration.
- Review the [collection of experiments](#) that you could conduct with adult learners. Look for experiments of interest to learners or connected to a theme. Integrate discussions about scientific inquiry and the nature of science.
- Teach learners how to read and interpret “data, graphs, visualizations and more” using the section [Analyse this!](#)
- Organize a theme or topic using more in-depth articles called [Explainers](#).



Social studies

...billions of hectares of
...forests from which timber is harvested each year. The forested areas managed
for timber production are mostly located in the Cordillera, Canadian Shield, St. Lawrence
Lowlands, and Appalachian Region ecozones. Canada exports timber products to
countries throughout the world.

Source II



Sort the provinces and territories listed into the correct ecological zones from the selections provided that covers the largest portion of the province or territory.

- Nova Scotia
- Québec
- Ontario
- British Columbia
- Saskatchewan
- New Brunswick
- Yukon

Cordillera	
Interior Plains	
Canadian Shield	

- +
- 100%
- 🔍
- 📄
- ✍️
- 📏
- 📍
- 🗑️
- 📄
- i

- Question 1
- Question 2
- Question 3
- Sources
- Question 4
- Question 5
- Question 6
- Question 7
- Newspaper Headlines
- Question 8
- Question 9

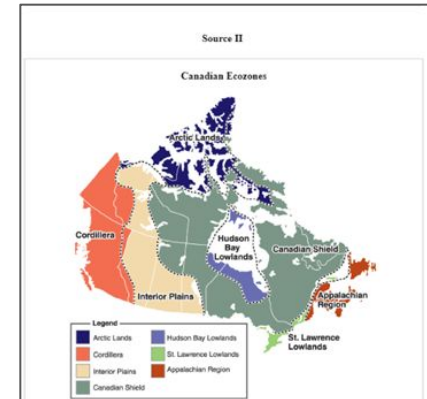
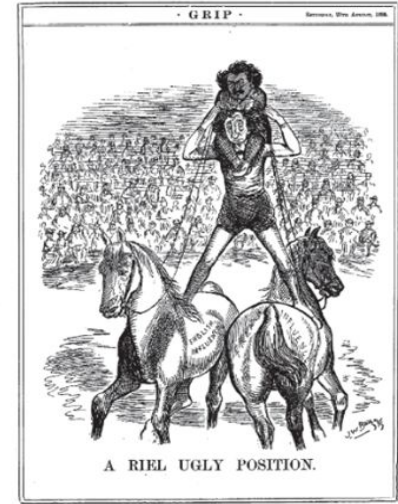
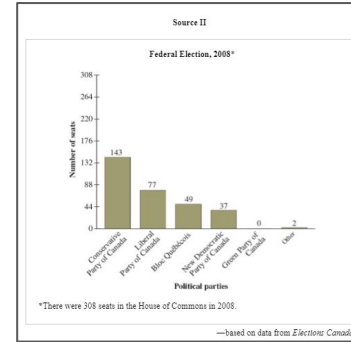
Social studies skills, knowledge and strategy demands



1. Test-takers are presented with **a variety of sources to read and interpret, along with a variety of test-questions types.**
2. All topics, content and perspectives are **focused on Canada.**
3. Most of the questions are **moderately complex** and focus on the application of concepts associated with the four main topics.
4. Some questions require **additional social studies knowledge** to respond (e.g., test-takers need to be able to identify all provinces and territories to respond to a different question).

Variety of source texts

1. Thematic maps of Canada
2. Contemporary and historical cartoons
3. News headlines
4. Articles
5. List of features/concepts
6. Graphic narratives
7. Information posters
8. Diagrams
9. Lists
10. Graphs
11. Charts
12. Tables



List

Canada relies on elements of a market economy to create prosperity. A market economy focuses more on businesses to supply the needs of individuals and less on the government to do so.

Some Features of a Market Economy

- I. Prices are set by supply and demand.
- II. Private property rights are guaranteed.
- III. Self-reliance is central for individuals to succeed.
- IV. ?

One of the sources, an article, has a high average readability level (grade 14.7)

Provincial Government Proposes a Province-Wide 40 km/hour Speed Limit



Tanvia Swift
Pivot-News
Correspondent
Published May 30, 2023

Roads can be dangerous for drivers and pedestrians alike. Faced with increased accident numbers and rising insurance costs, the provincial government has proposed a new bill to limit speed to 40 km/h in all residential areas, except for playground and school zones, which are already 30 km/h. The intent of the bill is to reduce accidents, conserve fuel, and encourage bicycle and pedestrian traffic on city streets.

Cyclists are eager for the bill, as lower speed limits will make using alternative forms of commuting safer and more attractive. They also believe lower speeds and less fuel consumption will offer environmental benefits.

For years, insurance companies have sought this change. They argue the proposed bill will ensure fewer fatalities and will benefit all policy holders by reducing insurance claims and overall policy costs.

Critics say there is a large difference in accident rates between larger urban and smaller rural centres. Residents of smaller towns, where accident rates are lower, do not believe this bill should apply to their communities.

According to vehicle owners, new car safety features, such as object warning systems, make slower speeds unnecessary. Drivers claim the speed limit reduction will see police officers occupied with issuing speeding tickets rather than focusing on other priorities in their communities.

Related Headlines

- **Pivot-News:** Expanding bike lanes on upcoming municipal agenda.
- **TNL:** Auto dealers set to increase new car repair costs.
- **ZipMedia:** Playground construction to be expanded in the new year.
- **Shuffle News:** Rural road construction delayed.

For generations, First Nations and Métis have created images with stone at numerous sacred places across the land that is present day Canada.

First Nations and Métis Archeological Sites



K'aka'win
Nuučaanul language
"something stuck on its back."

A reference to a killer whale
Petroglyph carved in sedimentary rock approximately:
100 – 3 000 years ago



Áísínai'pi
Blackfoot language
"it is pictured"

Human with horses
Petroglyph carved in sandstone approximately:
100 – 3 000 years ago



Mazinaubikiniguning
Ojibwa language
"The adorned rock on Agawa Lake"

Mishipeshu: The Great Lynx
Pictograph painted on granite approximately:
400 – 500 years ago

Which of the following provinces is "Writing-on-Stone" located in?

Saskatchewan

Manitoba

Alberta

British Columbia

Low complexity

Select the **most appropriate** conclusion that can be drawn from the source.

Rock art images have a uniform style used by First Nations people.

Rock art confirms First Nations people practiced a nomadic lifestyle.

Modern rock art represents aspects of the lives of First Nations people.

Archeology is one way to confirm the ancient presence of First Nations people.

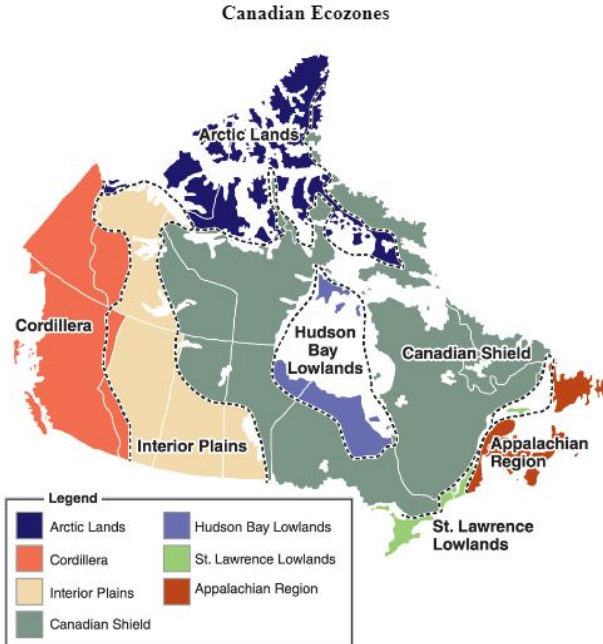
Moderate complexity

This question set has two sources.

Source I

In Canada, nearly half of the land is forested. There are millions of hectares of commercial forests from which timber is harvested each year. The forested areas managed for timber production are mostly located in the Cordillera, Canadian Shield, St. Lawrence Lowlands, and Appalachian Region ecozones. Canada exports timber products to countries throughout the world.

Source II



Question 3

[Hide/Show Sources](#)

Flag this question

Sort the provinces and territories listed into the correct ecological zones from the selections provided that covers the largest portion of the province or territory.

	Cordillera
Nova Scotia	
Québec	Interior Plains
Ontario	
British Columbia	Canadian Shield
Saskatchewan	
New Brunswick	
Yukon	
	Appalachian Region
	High complexity

How to support learners



Active learning

Classroom discussions, informal debates, mock elections, quizzes and hands-on activities using maps will help test-takers engage with and develop a deeper understanding of the main topics and specific outcomes. Focus the activities on the four main topics addressed by the outcomes.

1. Citizenship and government
2. Economics and economic systems
3. Geography and the environment
4. Historical and contemporary Canada.

Suggested resources are in the full report

Explicit instruction

As many CAEC questions require the test-taker to engage with more visual/graphic prompts, resources that support the development of visual literacy and document analysis will be needed.

An excellent teaching resource is the [document analysis worksheets](#) from the US National Archives.

In addition, social studies has numerous listed outcomes within the four main topics. Note the details of these outcomes focusing on the listed concepts, terms and actions.