

# Hagaha Degdegga ah ee Warbixinta Ardayga (ISR) ee Imtixaanka Sayniska ee Alt MCA

Warbixinaha Ardayga Goonida ah (ISR-yada) waxaa loo sameeyaa arday kasta oo la filayo inuu qaato imtixaan heer qaran ah. ISR wuxuu bixiyaa macluumaad ku saabsan waxqabadka ardayga iyo barashada heerarka tacliinta ee Minnesota.

MCA Beddelka Sayniska (Alt MCA) waxaa qaadan kara ardayda leh baahiyaha garaadka ee aadka u culus, halkii ay ka qaadan lahaayeen MCA-ga caadiga ah. Alt MCA waxaa la bixiyaa fasallada 5aad iyo 8aad iyo sannadka dhamaystirka koorsada cilmiga nololaha ee dugsiya sare.

Laga bilaabo sanadka 2024–25, maaddo kasta iyo imtixaan kasta waxay ku jiri doonaan Warbixin Ardayeed (ISR) oo gooni ah.

Haddii ardaygaagu uusan ka qaybgelin imtixaanka, warbixinta ISR-ka waxay muujin doontaa sababta natiijooyinka aan loogu darin (tusaale ahaan, maqnaansho ama in ardayga imtixaanka idil sameynin).

Alt MCA Sci-Gr 8

**DEPARTMENT OF EDUCATION**

**Sample A. Student**  
School One  
District Eight

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Spring 2025  
Grade 8

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These are Carina's results from the Science Alternate Minnesota Comprehensive Assessment (Alt MCA) taken in the spring of 2025.

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Sample took the majority of the Science Alternate MCA using online test materials independently with Test Administrator supervision.

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Sample engaged in some or all of the questions using educational objects or manipulatives as part of their test materials (for example: using math counters or models to show food webs, life cycles or other science topics).

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**Science: Carina's Overall Alt MCA Results**

Sample's score of 216 shows evidence of learning at the **Meets** level for grade-level expectations in science. The Science Alternate MCA measures learning of the extended benchmarks based upon the Minnesota Academic Standards in Science.

A grade 8 student with a score at the Meets level needs minimal levels of support and scaffolding of skills when completing academic tasks and shows evidence of being able to:

- Identify patterns that cause changes in weather conditions, use data or a model to assess how a solution reduces human impact on the environment, and interpret data or a model to find variables within human activity and natural processes that cause temperature changes over time.
- Use evidence to distinguish between plant and animal cells, use a model or data to identify the cycle of matter or flow of energy among parts of an ecosystem, and use data or a model to describe the effects of the availability of food, shelter, and water on populations within an ecosystem.
- Interpret data to determine if a chemical change has occurred and describe the risks and benefits of using natural resources to make synthetic materials.

Scores in the **Meets** and **Advanced** performance levels demonstrate proficiency in grade level standards.

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In spring 2025, 45% of the grade 8 students in Minnesota who took the Science Alt MCA performed at the meets and advanced levels. Performing at these levels demonstrates proficiency in the knowledge and skills described in the extended benchmarks of the academic standards.

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1. Xogta macluumaadka ardayga—Magaca Ardayga, Fasalka, Iskuulka, Degmada, Taariikhda, iyo Imtixaanka qiimeynta.
2. Qaabka maamulka—Imtixaanadka Alt MCA waxaa lagu qaadi karaa khadka tooska ah (online), warqad ahaan, ama hab isku dhafan oo labadaba ah. Habka uu ardaygaagu u galayo imtixaanka waa la muujiyay. Haddii imtixaanka ardaygaaga la joojiyay kahor inta uusan dhammaan, taasna sidoo kale waa lagu muujiyay halkan.
3. Qalabka la isticmaalo—Qeexitaanku wuxuu ku jiraa haddii alaab ama qalab wax lagu xakameynayo la isticmaalo inta lagu jiro maareynta.
4. Guud ahaan Natiijooyinka—Sharaxaad ku saabsan waxqabadka iyo heerka barashada ardaygaaga ee heerarka la ballaariyay (extended benchmarks) ee Heerarka Waxbarasho ee Minnesota.
5. Heerka waxqabadka—Jaantuska garaafka wuxuu muujinayaa dhibcaha guud ee ardaygaaga iyadoo lagu saleynayo heerarka waxqabadka. Waxaa jira afar heer oo waxqabad ah: Waxbarashada bilowga ah, dhexe, heerka koowaad, iyo heerka sare.
6. Aqoonta heerka gobol—Boqolkiiba ardayda muujisay xirfad buuxda oo ku saleysan heerarka fasalka ee sanadkaas MCA-IV, heerka guud ee gobolka.



Macluumaadka loogu talagalay ardayda iyo qoysaska waxaa laga heli karaa bogga internetka ee **MDE Statewide Testing Students and Families Assessment Results** boga ([education.mn.gov](https://education.mn.gov) > Students and Families > Programs and Initiatives > Statewide Testing > Assessment Results).

**7 Performance Related to Cognitive Complexity**

On the Science Alt MCA, each task has three questions that have an increasing level of cognitive complexity. Question complexity can depend on many variables, including how many answer options there are and how much support the question provides with pictures or graphs. This section shows how your student is doing on questions with increasing levels of complexity. Complexity levels are reported as points earned out of points possible.

Complexity Level	Content Description	Points Earned/ Points Possible
Low	Questions at this level generally require students to: <ul style="list-style-type: none"> <li>Identify weather conditions.</li> <li>Identify producers, consumers, and decomposers within an ecosystem.</li> <li>Identify that synthetic materials are made from natural resources.</li> <li>Identify what indicates a chemical change.</li> <li>Identify human activities that affect temperature over time.</li> <li>Identify human impact on the environment.</li> <li>Identify that plants and animals are made of cells and are different.</li> <li>Identify the predator of a given animal.</li> <li>Identify that living things need food, water, and shelter to survive.</li> </ul>	7 / 9
Medium	Questions at this level generally require students to: <ul style="list-style-type: none"> <li>Identify patterns resulting in weather changes.</li> <li>Identify a solution that minimizes human impact on the environment.</li> <li>Identify the effects of the availability of food, water and shelter on a living thing.</li> <li>Identify the movement of energy among living things within a food chain or web.</li> <li>Compare plant and animal cells.</li> <li>Determine if chemical reactions have occurred.</li> <li>Use a data set or food web to predict competition between plants and/or animals.</li> <li>Determine how variables within human activities and natural processes affect changes in temperature over time.</li> <li>Describe the risks and benefits of using natural resources to make synthetic materials.</li> </ul>	6 / 9
High	Questions at this level generally require students to: <ul style="list-style-type: none"> <li>Use data to identify atmospheric patterns that result in changes in weather conditions.</li> <li>Assess solutions that minimize human impact on the environment.</li> <li>Describe the cycling of matter and/or movement of energy among parts of an ecosystem.</li> <li>Use information from various cultural communities to interpret patterns of interactions within an ecosystem, including invasive species impacts and/or mutualism.</li> <li>Compare questions about changes in temperature over time.</li> <li>Describe the steps of an investigation that demonstrates that plants and animals are made of different types of cells and/or either one cell or many cells.</li> </ul>	8 / 9

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Scan the QR code to access a video about the new science assessments. For more information, go to the [MDE Students and Families Statewide Testing Assessment Results](https://education.mn.gov/Students-and-Families/Programs-and-Initiatives/Statewide-Testing/Assessment-Results) website (education.mn.gov > Students and Families > Programs and Initiatives > Statewide Testing > Assessment Results).



**How to request this report in a translated language or an alternative format:**

If your home language has been reported to your student's school, a QR code may be included on page 1 to a video with translated audio and/or captions. This ISR report format may also be made available in another translated language or an alternative format, such as large print, braille, or as an audio file. Contact MDE by email at [mde.test@state.mn.us](mailto:mde.test@state.mn.us), by phone 651-582-8674 or by fax 651-582-8874. TTY users may call the Minnesota Relay Service at 711.

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- Waxqabadka La Xiriira Adkaanta Fekerka— Su'aalaha waxay ardayda uga baahan yihiin inay isticmaalaan heerar kala duwan oo ka mid ah kakanaanta garashada. Qeybtan waxay sharaxaysaa sida uu ardaygaagu uga jawaabay su'aalaha ay heerarkoodu sii kordhayaan.
- Dhibcaha uu ardayga helay/Dhibcaha ay macquulka tahay ardayga in uu helo—Heer kasta oo adkaanta su'aalaha ah, waxaa lagu soo bandhigayaa tirada dhibcaha uu ardaygu helay marka la barbardhigo dhibcaha ugu badan ee la heli karo.
- Guudmar ku Saabsan Imtixaannada Cusub ee Sayniska—Fiidiyowga guud waxaa lagu arki karaa adigoo iskaanka ku baaraya koodhka QRka ee ku qoran warbixinta ama la xiriir iskuulka ardaygaaga si aad u hesho xiriiriyaha. Fiidiyowga waxaa sidoo kale lagu heli karaa luqadda guriga iyadoo lagu saleynayo xogta ardayga ee diiwaangelinta, haddii la cayimay.
- Macluumaadka Xiriirka —Si aad u codsato warbixinta qaab kale ama luuqad kale lagu turjumay, fadlan la xiriir Waaxda Waxbarashada ee Minnesota.