

Alt MCA Daim Ntawv Sau Qhia Txog Tus Tub Ntxhais Kawm Ntawv Tus Kheej (ISR) Phau Ntawv Qhia Sai rau Kev Kawm Fab Kev Tshawb Fawb


Cov Ntawv Tshaj Qhia Txog Tus Tub Ntxhais Kawm Ntawv Ib Tug Kheej (los sis ISRs) yog tau tsim tawm los rau txhua tus tub ntxhais kawm ntawv uas xav tias yuav tuaj xeeb ntawv thoob plaws lub xeev. ISR muab cov ntaub ntawv qhia paub txog koj tus tub ntxhais kawm qhov kev kawm tau zoo thiab kawm paub txog Minnesota Cov Qauv Cai Fab Kev Kawm.

Kev Kawm Fab Kev Tshawb Fawb Faj Seeb MCA (Alt MCA) tej zaum yuav raug siv los hloov MCA rau cov tub ntxhais kawm uas muaj kev xiam oob qhab fab kev txawj ntse loj tshaj plaws. Alt MCA yog tau muab rau qib kawm 5 thiab 8 thiab nyob rau xyoo kawm tiav hom kawm fab kev tshawb fawb txog txoj sia ntawm tsev kawm ntawv qib siab.

Pib nyob rau xyoo 2024–25, txhua yam kawm thiab kev xeeb yuav tshwm nyob rau hauv ISR uas nyias nyob nyias.

Yog tias koj tus tub ntxhais kawm ntawv tsis tuaj koom, ISR yuav qhia tias vim li cas thiaj tsis tuaj koom (piv txwv li, qhaj ntawv los sis ua tsis tiav qhov kev xeeb).

Alt MCA Sci Gr 8




DEPARTMENT OF EDUCATION

Sample A. Student
School One
District Eight


1

Spring 2025
Grade 8


2

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

3

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

4

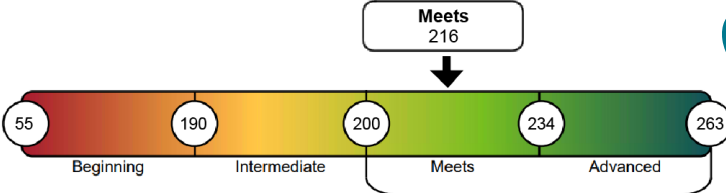
 Sample engaged in some or all of the questions using educational objects or manipulatives as part of their test materials (for example: using math counters or models to show food webs, life cycles or other science topics).

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.




55 190 200 234 263

Beginning Intermediate Meets Advanced

Meets 216

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

6

 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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Page 1 of 2

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1. Tub Ntxhais Kawm Li Ntaub Ntawv Qhia Paub—Tub Ntxhais Kawm Lub Npe, Qib Kawm, Tsev Kawm Ntawv, Cheeb Tsam, Hnub Tim, thiab Kev Ntsuam Xyuas.
2. Tus Qauv Kev Muab—Alt MCA tuaj yeem muab tau nyob rau hauv oos lais, nyob rau hauv daim ntawv, los sis sib xyaws ua ob yam tib si. Yuav muaj kev qhia tseg txog tus qauv uas koj tus tub ntxhais kawm tau siv. Yog tias koj tus tub ntxhais kawm qhov kev xeeb xaus ua ntej, ces kuj yuav muab qhia tseg rau ntawm no.
3. Kev Siv Khoom Siv—Yuav muaj kev piav qhia tias seb puas tau siv cov khoom siv los sis cov cuab yeej nyob rau ncuaj sij hawm ua qhov kev xeeb.
4. Cov Tshwm Sim Tawm Los Uas Xam Tag Nrho—Qhov kev piav qhia txog koj tus tub ntxhais kawm qhov kev kawm tau zoo thiab kev kawm paub txog cov qauv cai ntsuas uas tau nthuav dav ntawm Minnesota Cov Qauv Cai Fab Kev Kawm.
5. Theem Kev Kawm Tau Zoo—Txoj kab qhia pom txog koj tus tub ntxhais kawm tus qhab nia xam tag nrho nyob rau ncuaj theem kev kawm tau zoo. Muaj plaub theem kev kawm tau zoo: Theem Pib, Theem Nrab, Theem Ua Tau Zoo, thiab Theem Siab
6. Kev Txawj Ntse Qib Xeev—Feem pua ntawm cov tub ntxhais kawm uas qhia ua rau pom txog kev txawj ntse nyob rau hauv cov qauv cai qib kawm nyob rau hauv MCA-IV ntawm lub xyoo ntawd nyob rau qib xeev.



Cov ntaub ntawv qhia paub muab rau cov tub ntxhais kawm ntawv thiab cov tsev neeg yuav muaj nyob hauv [MDE Statewide Testing Students and Families Assessment Results](https://education.mn.gov) lub vev xaib (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"> Identify weather conditions. Identify producers, consumers, and decomposers within an ecosystem. Identify that synthetic materials are made from natural resources. Identify what indicates a chemical change. Identify human activities that affect temperature over time. Identify human impact on the environment. Identify that plants and animals are made of cells and are different. Identify the predator of a given animal. Identify that living things need food, water, and shelter to survive. 	7 / 9
Medium	Questions at this level generally require students to: <ul style="list-style-type: none"> Identify patterns resulting in weather changes. Identify a solution that minimizes human impact on the environment. Identify the effects of the availability of food, water and shelter on a living thing. Identify the movement of energy among living things within a food chain or web. Compare plant and animal cells. Determine if chemical reactions have occurred. Use a data set or food web to predict competition between plants and/or animals. Determine how variables within human activities and natural processes affect changes in temperature over time. Describe the risks and benefits of using natural resources to make synthetic materials. 	6 / 9
High	Questions at this level generally require students to: <ul style="list-style-type: none"> Use data to identify atmospheric patterns that result in changes in weather conditions. Assess solutions that minimize human impact on the environment. Describe the cycling of matter and/or movement of energy among parts of an ecosystem. Use information from various cultural communities to interpret patterns of interactions within an ecosystem, including invasive species impacts and/or mutualism. Compare questions about changes in temperature over time. 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. 	8 / 9

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9



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, by phone 651-582-8674 or by fax 651-582-8874. TTY users may call the Minnesota Relay Service at 711.

10

7. Kev Kawm Tau Zoo Uas Cuam Tshuam rau Kev Sib Chab Sib Chaws Fab Kev Txawj Ntse—Cov Lus nug xav kom cov tub ntxhais kawm siv cov them kev sib chab sib chaws fab kev txawj ntse uas sib txawv. Tshooj no yuav piav qhia tias koj tus tub ntxhais kawm teb tau cov lus nug uas muaj cov qib kev sib chab sib chaws ntau ntxiv li cas.
8. Cov Qhab Nia Uas Tau Txais/Cov Qhab Nia Uas Muaj Feem Mus Tau—Rau txhua qib kev sib chab sib chaws, yuav muaj kev tshaj qhia cov qhab nia uas tau txais los ntawm cov qhab nia uas muaj feem mus tau rau cov lus nug.
9. Kev Nthuav Qhia Thoob Plaws Txog Cov Kev Xeev Ntawv Txog Kev Kawm Fab Kev Tshawb Fawb Tshiab—Tuaj yeem nkag mus saib tau daim vis dis aus nthuav qhia thoob plaws los ntawm kev thaj tus khauj QR uas muab luam tawm nyob rau hauv daim ntawv tshaj qhia los sis txuas lus rau koj tus tub ntxhais kawm ntawv lub tsev kawm ntawv kom muab txoj kab txuas nkag mus rau koj. Tej zaum daim vis dis aus kuj yuav muaj ua hom lus hais hauv tsev raws li tus tub ntxhais kawm ntawv cov ntaub ntawv thaum tuaj tso npe kawm, yog tias qhia paub meej.
10. Cov Ntaub Ntawv Txuas Lus—Txhawm rau thov daim ntawv tshaj qhia ua lwm tus qauv ntawv los sis hom lus uas tau txhais, thov txuas lus rau Minnesota Lub Tuam Tsev Hauj Lwm Ntsig Txog Kev Kawm (Department of Education).