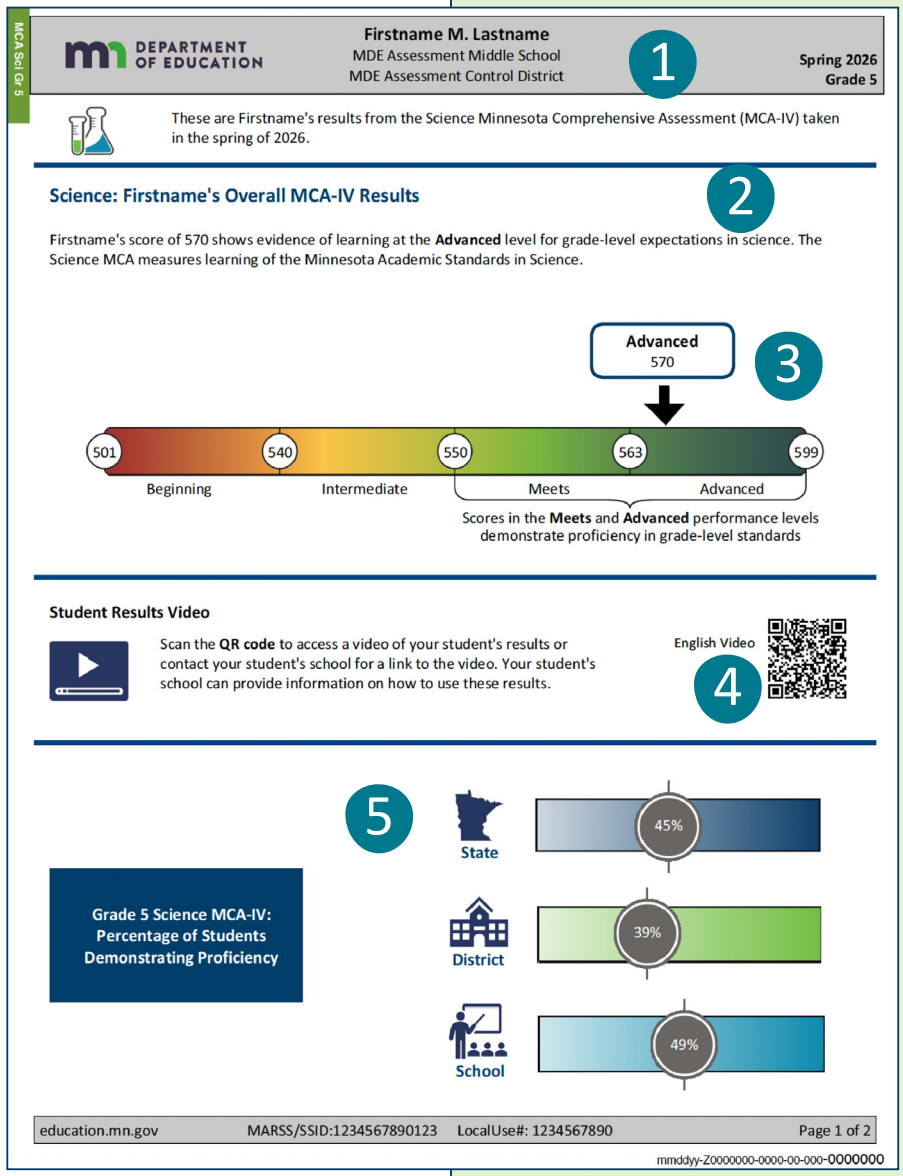
Sayniska MCA Warbixinta Ardayga Shakhsiga ah (ISR) Tilmaamaha Degdegga ah

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.

Imtixaanka Sayniska MCA-IV waxaa laga qaadaa ardayda fasallada 5aad iyo 8aad, iyo sannadka ay dhammaystiraan koorsada Sayniska Nolosha ee dugsiga sare.

Qof kasta iyo imtixaan kasta wuxuu ku jiraa ISR gaar 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).



1. Macluumaadka ardayga—Magaca ardayga, fasalka, Iskuulka, degmada, sannadka imtixaanka iyo qiimeynta.
2. Natiijooyinka Guud—Sharaxaad ku saabsan dhibcaha ardaygaada iyo heerka waxqabadka ee ku saleysan heerka fasalka ee laga filayo Heerarka Waxbarashada ee Minnesota.
3. 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.
4. Ardayda leh dhibcaha imtixaanka waxay haystaan fiidiyow shaqsiyeed ISR oo kooban oo ku saabsan waxqabadkooda imtixaanka oo la heli karo iyadoo la baarayo koodhka QR ee gaarka ah ee ku jira warbixinta. Fiidiyowga waxaa lagu heli karaa luuqadaada hooyo iyadoo lagu saleynayo xogta ardayga ee diiwaangelinta haddii lagu soo wargeliyo dugsiga ama degmada ardaygaaga.
5. Heerka aqoonta ee gobolka, degmada, iyo iskuulka—Boqolkiiba ardayda gobolka, degmada, iyo dugsiga oo muujinaya aqoonta fasalka ardaygaaga. Dhibcaha heerarka waxqabadka ee Meets iyo Advanced waxay muujinayaan aqoonta heerarka heerka fasalka.

Macluumaadka loogu talagalay ardayda iyo qoysaskooda waxaa laga heli karaa bogga internetka ee **MDE Statewide Testing Students and Families** bogga internetka (education.mn.gov > Students and Families > Programs and Initiatives > Statewide Testing > Assessment Results).

MCA Sci Gr 5

Your Student's Overall Performance

Firstname's score of 570 shows evidence of learning at the **Advanced** level for grade-level expectations in science. The Science MCA measures learning of the Minnesota Academic Standards in Science.

A grade 5 student with a score at the Advanced level shows evidence of being able to:

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- Explain phenomena and design solutions to problems by thoroughly integrating science practices and concepts.
- Refine questions, evaluate investigations, revise models, and apply advanced mathematics to analyze data.
- Develop claims from evidence and redesign solutions to a problem.

Performance in Grade 5 Practices in Science

Firstname's performance is also reported for three areas of the Minnesota Academic Standards in Science.

Additional Performance Details	
Practices in Earth and Space Science Your student's performance: **At or Near Expectations**	Students with performance **above expectations for Practices in Earth and Space Science** typically show evidence of being able to: • Evaluate data to explain how Earth's rotation and the Earth/Moon/Sun system influence seasonal daylight patterns. • Analyze how Minnesota American Indian Tribes and other cultures interpret star patterns to make predictions and plan. • Evaluate models to understand how Earth's systems interact with each other. • Design solutions to lessen the effects of weathering, erosion, and Earth processes. • Collect and interpret data on how Earth's surface has changed over time. • Use evidence to evaluate human impacts on natural resources emphasizing sustainable resource use. • Compare multiple technologies that minimize environmental effects on humans.
Practices in Life Science Your student's performance: **At or Near Expectations**	Students with performance **above expectations for Practices in Life Science** typically show evidence of being able to: • Construct evidence-based explanations showing how variations in inherited traits provide survival advantages, making them more common. • Develop solutions to address environmental changes that threaten the survival of organisms. • Argue that traits vary among group members and are influenced by the environment. • Use media sources to explain inheritance patterns in organisms. • Refine models of matter and energy movement in ecosystems and diverse organism life cycles. • Analyze how resources affect populations and how animal groups use complex communication strategies to survive interdependently. • Use evidence to argue that plant and animal structures support survival in various ways. • Refine an investigation showing how plants produce food from sunlight, air, and water.
Practices in Physical Science Your student's performance: **At or Near Expectations**	Students with performance **above expectations for Practices in Physical Science** typically show evidence of being able to: • Refine investigations to identify substances by their properties before and after they are combined to determine if a chemical reaction has occurred. • Evaluate models demonstrating that matter has observable effects even if it is too small to be seen. • Predict answers to testable questions about electric or magnetic interactions between objects. • Use evidence to predict relationships between speed, energy, and other forces. • Interpret data showing how energy can be stored, released, and transferred. • Compare experiments predicting how light interacts with different materials. • Create models to show how light properties affect visibility and how light reflects to enter the eye.

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

If a QR code is present on page 1, a video summary of your student's results may be available. If a home language was reported to your student's school or district, an audio translation with captions may be available. This report may also be made available in an accessible format, such as large print, braille, or as an audio file. Contact MDE by email at mde.testing@state.mn.us or by phone at 651-582-8674. TTY users may call the Minnesota Relay Service at 711.

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6. Guud ahaan Waxqabadka —Sharaxaad ku saabsan waxqabadka guud ee ardaygaada oo ay la socdaan faahfaahin dheeraad ah oo laga helay heerarka aqooneed ee Minnesota ee cilmiga.

7. Faahfaahinta Waxqabadka Aagga Macluumaadka —Waxqabadka aagga macluumaad kasta waxaa lagu soo warramaa inuu ka hooseeyo filashooyinka, uu ku dhow yahay ama ka sarreeyo filashooyinka. Fasalada 5aad iyo 8aad waxaa ku jira saddex qaybood oo maadooyin ah iyo dugsiga sare waxaa ku jira afar qaybood oo maadooyin ah oo ka mid ah Heerarka Aqoonyahanka ee Minnesota ee Sayniska.

8. Macluumaadka Xiriirka— Si aad u codsato warbixinta qaab kale ama luuqad la turjumay, fadlan la xiriir Waaxda Waxbarashada ee Minnesota adigoo soo diraya emayl mde.testing@state.mn.us, telefoon 651 582-8674, ama booqo MDE StatewideTesting bogga internetka (education.mn.gov > Districts, Schools and Educators > Statewide Testing > Teaching and Learning > Statewide Testing).