

Your Student's Overall Performance

Alfred's score of 572 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:

- 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.

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Performance in Grade 5 Practices in Science

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

Additional Performance Details

<p>Practices in Earth and Space Science</p> <p>Your student's performance:</p> <p>Above Expectations</p>	<p>Students with performance above expectations for Practices in Earth and Space Science typically show evidence of being able to:</p> <ul style="list-style-type: none"> • 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.
<p>Practices in Life Science</p> <p>Your student's performance:</p> <p>Above Expectations</p>	<p>Students with performance above expectations for Practices in Life Science typically show evidence of being able to:</p> <ul style="list-style-type: none"> • 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.
<p>Practices in Physical Science</p> <p>Your student's performance:</p> <p>Above Expectations</p>	<p>Students with performance above expectations for Practices in Physical Science typically show evidence of being able to:</p> <ul style="list-style-type: none"> • 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 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.testing@state.mn.us, by phone 651-582-8674 or by fax 651-582-8874. TTY users may call the Minnesota Relay Service at 711.

5. ကို, ကီရ်ရ်လီကဝီ, ဒီး ကီရ်စဲအတတ်စဲနီ —ပုကီဖဲအမူး ကယု ဒူးနဲ တတ်စဲနီ အပတီလတ်ပတီ တီပတီတဖှ် လာ MCA-IV အနဲ ဖဲ ကို, ကီရ်ရ်လီကဝီ, ဒီး ကီရ်စဲအပတီတဖှ်န့လီ.
6. တ်မလီကီဖီ ခဲလက်ဖှ်—တ်ဟ်ဖျါဘုဃးဒီး နပုကီဖဲ အတတ်မလီန့တတ်ကီဖီ ခဲလက်ဖှ် ယုဒီး တ်ဂုတ်ကျီ လီတတ်လီဆဲးအဂတဖှ် လာ မံနဲနဲစိထု တ်မလီအဲဒဲ မံ တီပတီ (Minnesota Academic Standards) လာ စဲ အ့အပု န့လီ.
7. တ်မလီန့တတ်ကီဖီ လီတတ်လီဆဲး လာတ်မလီ လီကဝီ —တ်မလီန့တတ်ကီဖီ လာတ်မလီ လီကဝီ အပုန့ ဘု တ်ဟ်ဖျါထီအီဒ် အိတ်လတ်မုတ်ကွဲဖီ အဖီလတ်, ဖဲ မုတမု ဘူးဒီး တ်မုတ်ကွဲဖီတဖှ်, မုတမု တ်မုတ်ကွဲဖီ တဖှ် အဖီခိတ်န့လီ. 5 ဒီး 8 တီတဖှ် ပုဃုဒီး မံနဲနဲစိ ထု တ်မလီအဲဒဲမံ တီပတီ (Minnesota Academic Standards) လာ စဲအ့အပု အတတ်မလီ လီကဝီ သါ ဒီး တီထီကို ပုဃုဒီး တ်မလီလီကဝီလွဲခါန့လီ.
8. တ်ဆဲးကျါ တ်ဂုတ်ကျီ—လာကယုထီ တ်ဟ်ဖျါလာ ကျါ ကျဲအဂတခါ မုတမု ကျိတ်လာတတ်ကွဲကျိတ်ထံအီအဂီ, ဝံသး စူ ဆဲးကျါ မံနဲနဲစိထု တ်ကုတ်ဘုကုတ်သ့ ဝဲကျါ (Minnesota Department of Education) န့တက့.