



The JogNog Science MCAS Accelerator

The JogNog Science MCAS Accelerator is a program that rapidly allows your students to review and remember what they have learned. Massachusetts school districts use it to help students remember and then perform better on the state science MCAS exam.

The program works by setting up a challenge between grades in each school. Each grade strives to 'learn the most' by correctly answering the most review questions. This has several benefits:

1. It motivates students to actually review material they otherwise wouldn't
2. It builds a sense of teamwork amongst school grades
3. It is simple for teachers – no training or sign up required
4. It results in proven impact on science MCAS scores

This performance is achieved through the learning science of *recall practice*. This methodology has shown that to optimize learning, students should spend three hours of recall (trying to remember the material without it being in front of them) for every hour spent in reading, reviewing or having the material presented to them.

Recall practice really just makes sense. Wasn't this the way we all studied? by using flashcards or covering material in a book and then quizzing ourselves on it?

How the Accelerator program works:

1. Each principal is provided a unique code (7 characters) for each grade in their school.
2. Students log into www.JogNog.com, enter the code for their grade, and begin to practice answering quiz questions.
3. Students are motivated to practice by leaderboards showing the progress of all grades in their school. They get a point for every correctly answered question.
4. Teachers view the leaderboards and can encourage students in each grade.
5. Superintendents and principals receive weekly progress reports for each grade and school.
6. At the end of the month one grade in each school has won the challenge but all students have engaged in recall practice to solidify their knowledge of science standards.

The JogNog website platform consists of a list of quizzes that can be played and a leaderboard that shows how each grade is performing. The quizzes and questions are carefully chosen by JogNog to cover the most important concepts in the Massachusetts state science standards.

Questions? Email us at: info@JogNog.com

To purchase: <https://www.jognog.com/documents/JogNogSalesOrderForm.docx>

Students can just go to www.JogNog.com and begin answering questions and helping their grade win the challenge. The challenge lasts for one month and then a new challenge starts (see figure 1. below).

The screenshot shows the JogNog.com interface. At the top is a navigation bar with 'JogNog' logo and links for Home, Towers, Quizzes, Classes, Store, Messages, and Help. The user 'Steve113' is logged in. Below the navigation bar, the 'Class' is set to '8th Grade - Lynnfield Middle'. A note states: 'Your students can join this class by entering class code XYZ1234 on their Home page'. To the right are buttons for 'Join class', 'Reports', and 'Landscape'. The main content area is divided into two sections:

Quizzes in this class

Done	Quiz	First score	Last score	Video
	MS - Earth and Space -1 - TERMS	65%	95%	
	MS - Earth and Space -2 - TERMS	-	-	
	MS - Earth and Space - 1			
	MS - Earth and Space -2			
	8 th Grade Science Questions from			
	8 th Grade Science Questions from 2016 MCAS	-	-	
	8 th Grade Science Questions from 2015 MCAS	-	-	
	8 th Grade Science Questions from 2014 MCAS	-	-	

Lynnfield Middle School

Today
 All time
 School
 Challenge

Points

March's winner:

5 th Grade - Lynnfield Middle MCAS Accelerator (232 students)	3,553
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April's leaders:

7 th Grade - Lynnfield Middle MCAS Accelerator (278 students)	3,611
8 th Grade - Lynnfield Middle MCAS Accelerator (283 students)	3,481
5 th Grade - Lynnfield Middle MCAS Accelerator (232 students)	3,246
6 th Grade - Lynnfield Middle MCAS Accelerator (294 students)	3,244

A pink box highlights the following text: 'Students can pick from a variety of review quizzes that prepare them for the content on the Science MCAS.' Another pink box with an arrow points to the leader board with the text: 'A leader board displays the number of correctly answered questions for each grade.'

Figure 1. Recall quizzes and leader board found on JogNog.com

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Answers to some common questions:

- 1. Why does this work?**

A little recall practice goes a long way in improving understanding and retention but students are often not doing any recall practice. JogNog is based on the scientific research results on recall practice and its impact on Science MCAS scores. See the research here: <https://www.retrievalpractice.org/>
- 2. What is the price?**

\$2.50 / student
- 3. Why is it so easy?**

JogNog has spent over a decade testing and building a platform that motivates students to want to practice and learn.
- 4. What do teachers have to do?**

Teachers can sign in to JogNog to see the reports and encourage their students based on how their students are performing.
- 5. What do students have to do?**

Students go to JogNog.com and practice recall by answering questions aligned to the science MCAS.
- 6. How much total time does this take the student?**

It varies by grade and student, but research has shown that having students practice a around 150 questions results in significant improvement.
- 7. What does the Accelerator program include?**

Full access to the JogNog platform through June 30th 2019, specialized reports for superintendents and principals, and access to JogNog content focused on science standards for the 2019 Science MCAS.
- 8. What motivates students to do this?**

Teachers want to see their grade perform well compared to other grades (as do the students). JogNog gives them tools to help them motivate their students.
- 9. Can students do this at home? Study break? On the bus? Waiting during play practice?**

Yes. Anywhere they can use a smart phone or get onto the JogNog website.
- 10. Can I trust the JogNog quiz questions and learning method?**

Yes. The process consists of simply having students answer questions. And the review questions are mapped to the Massachusetts science standards and have been used by Massachusetts schools for more than 6 years. See the research here: <https://www.jognog.com/documents/ResearchReport-TeachersUsingVideoandEdTech.pdf>

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