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Math Help Services - a better way to do math

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Developing Students

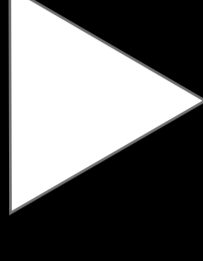
We believe that every student can succeed in mathematics, given the necessary framework, structure and support group to assist them in the development of a growth mindset.



Supporting Teachers



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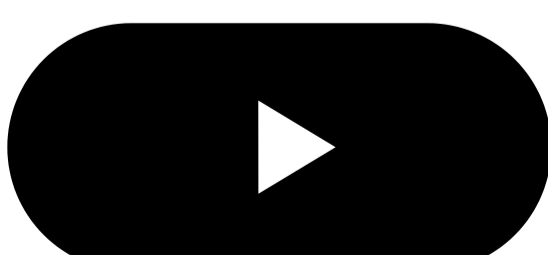
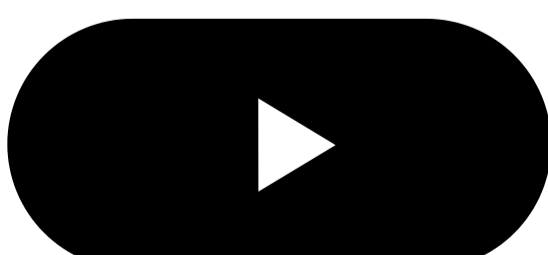
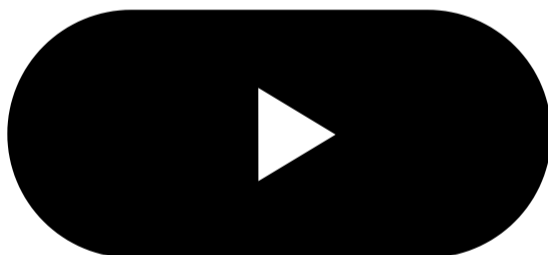
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Product Videos



Works on Everything



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About Math Help Services



"The founders of MHS" video

- Our Vision
- What We Do
- How We Do It
- Our Team



Our Vision

Imagine a comprehensive cloud based teaching platform for mathematics, a resource that enables teachers to seamlessly differentiate instruction for every student while using an interface wholly relevant to today's learners and educators.

Founded 2009

Videos Viewed 123 456

Founders John McArthur & Peter Nield

Questions Answered 123 456

MHS is now being used across the country to help educators increase student engagement and performance in math.

The initial team of two has grown into a worldwide professional network of teachers, academics and programmers focused on continually improving MHS to satisfy the needs of classroom teachers.



What We Do

MHS gives students and teachers the resources they need to best take advantage of today's technology.

Curriculum-Aligned Video Instruction
At its core, MHS is a set of detailed video lessons, perfectly aligned to the teacher's class curriculum. Each video lesson contains:

- Introductory video instruction
- Walked-through examples
- Questions with detailed video solutions and self-testing features

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Every topic links to MHS's huge database

expand ...



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Perfectly Aligned Curriculum
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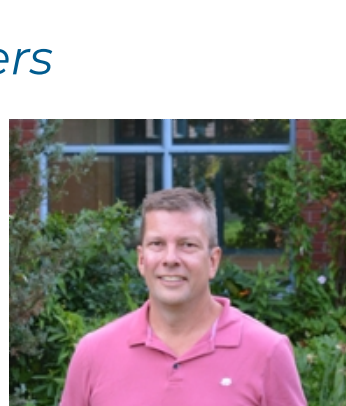
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The Founders



John McArthur



Peter Nield



Frank Menard

expand ...







Works on Everything

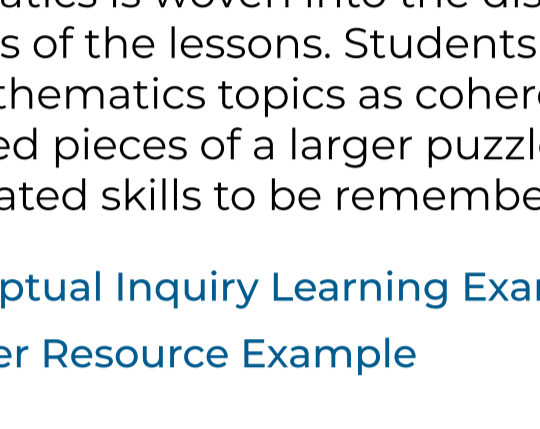


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The Math Help Services Approach



-  [Inquiry Based Learning](#)
-  [Developing a Growth Mindset](#)
-  [Differentiate to Every Student](#)
-  [Professional Development](#)
-  [The Resource Hub](#)
-  [The Move to BYOD](#)



Inquiry Based Learning

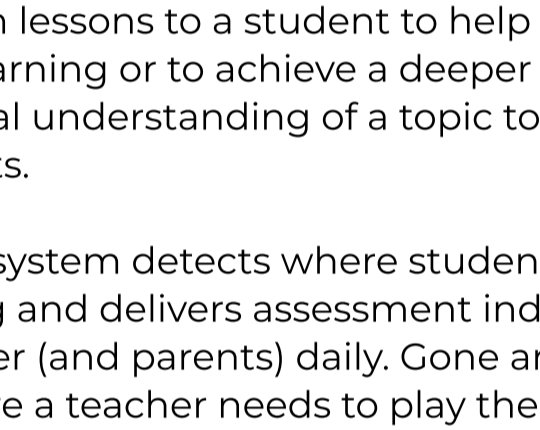
Our shared challenge as educators is to move students from passive recipients of information to knowledge builders, capable of creative and innovative approaches to problem solving. Our Conceptual Inquiry module is designed to provide teachers with the tools to initiate meaningful and collaborative inquiry based discussions in their classrooms.

These mini lessons allow students to develop a deep understanding of a concept. They promote creative approaches using the students' prior knowledge and the discovery of the obstacles they are confronted with before learning. In essence, our Conceptual Inquiry module allows the learning to belong to the students rather than something that is handed to them.

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[▶ Conceptual Inquiry Learning Example](#)

[▶ Teacher Resource Example](#)

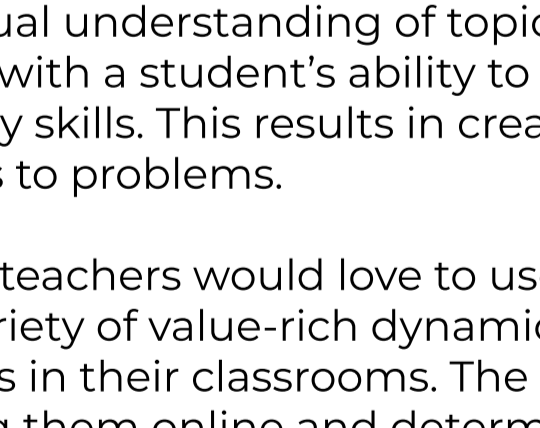


Developing a Growth Mindset

Our Targeted Remediation promotes purposeful practice and develops a growth mindset in students by rewarding effort and progress rather than results. Students are offered an unlimited number of attempts at each assignment. Students may continue to work on a concept until they achieve mastery.

By awarding the best grade a student obtains and reporting student effort to teachers and parents, MHS has developed a unique way of rewarding progress and creating a growth mindset environment. That is, the MHS remediation module does not report a failure to learn a concept; rather it lets students know that they simply haven't mastered a concept yet.

This environment of rewarding student effort has resulted in student engagement levels with MHS that are off the charts. Students become addicted to the success that rewarding progress brings. They continue to work on topics until they feel they have mastered them. We set out to develop a system that would increase student confidence and change student attitudes toward mathematics. What we didn't fully understand at the outset was how our model of rewarding progress would drastically improve student results in the process.

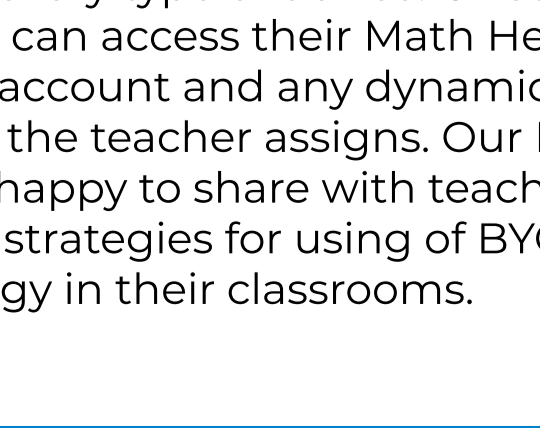


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The MHS system detects where students may be struggling and delivers assessment indicators to the teacher (and parents) daily. Gone are the days where a teacher needs to play the role of a private investigator at the front of the room. MHS teachers walk in to each class knowing their students' effort, progress and potential obstacles.



Focus on Professional Development

We believe that for a resource to be used effectively, teachers and students need to know how to use it properly. Unfortunately, most Ed-Tech resources leave it up to the end-user to deal with the learning curve of a new resource. MHS has taken a very different approach.

We send our reps in to every school to walk each new teacher through the software and discuss how to best fit MHS in to their teaching style. Blended learning is not a one size fits all model. It is for this reason that we work with each teacher to seamlessly implement our platform with their students. Whether a teacher is interested in incorporating a few aspects of blended learning or would like to explore a flipped classroom, your MHS rep will be there to help make it happen.

We also offer to attend their class to help launch the software with their students. This encourages the students to immediately make the most of the built in student-directed features. Regardless of a teacher's comfort level with technology, teachers that use MHS are able to hit the ground running on day one. In addition to a strong start, teachers and students that use MHS are ten times more likely to continue using our resource throughout the school year compared to other Ed-Tech initiatives.

Dynamic Resources

Pedagogues agree that an optimal learning environment requires a strong conceptual understanding of topics coupled with a student's ability to identify and apply skills. This results in creative solutions to problems.

All good teachers would love to use a wider variety of value-rich dynamic resources in their classrooms. The problem is finding them online and determining whether they are curriculum-aligned for their students. Since the MHS platform has always been a culmination of the great ideas of all of the teachers who use it, we introduced the shared Dynamic Resources module.

The MHS Dynamic Resources hub takes the best conceptual resources available online and links them to lessons within the course curriculum. Teachers no longer need to look for great conceptual hooks to new topics; they now know where they are and where they fit in the curriculum. Each dynamic resource contains hints for classroom use, a list of devices the resource will work on and a rating by all of teachers who have used it.

BYOD in Today's Schools

Schools across the country are making the move toward BYOD (Bring Your Own Device). They are fed up with trying to maintain computer labs of outdated equipment and are making the commitment to updating wireless networks instead.

More students every day have a phone, tablet or other device in their pocket that contains an incredibly powerful computer that can be a great learning tool if used effectively. The challenge of BYOD is that teaching a class and making meaningful use of (different) student devices is not always easy.

The MHS platform has been designed to work on every type of device. Once online, students can access their Math Help Services account and any dynamic resource the teacher assigns. Our MHS reps are happy to share with teachers effective strategies for using of BYOD technology in their classrooms.

Works on Everything

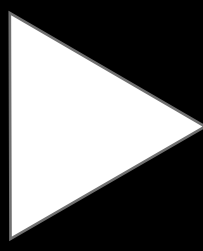
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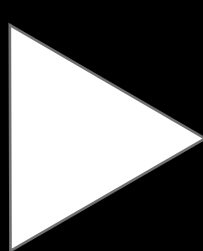
Testimonials



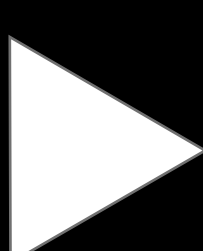
Students



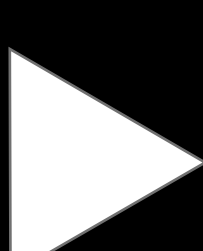
Teachers



Parents



Administrators





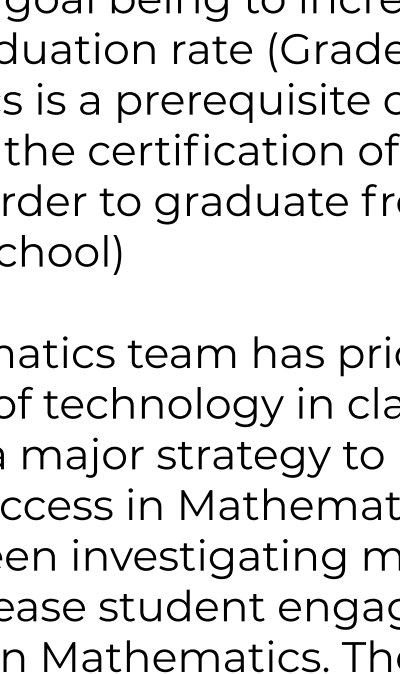
Results

We Asked Teachers and This is What They Said:

67% of Teachers implementing MHS have seen a minimum improvement of 10% in average scores



Principal's Report



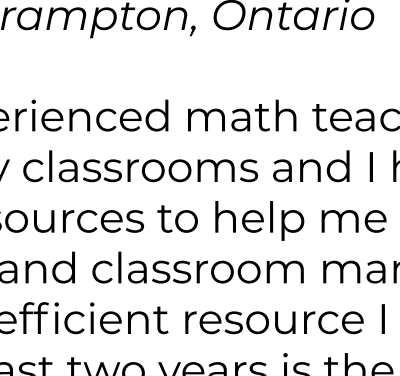
Gary S Tennant

As a school, we have been striving to develop strategies to improve our teaching practice, increase student learning and promote greater student success in general. The development and implementation of our school's Management and Educational Success Agreement has given us this opportunity; the primary goal being to increase the school's graduation rate (Grade 10 Mathematics is a prerequisite course required for the certification of studies in Quebec in order to graduate from secondary school)

Our Mathematics team has prioritized the integration of technology in classroom practice as a major strategy to improve students' success in Mathematics. We have also been investigating methods and tools to increase student engagement, specifically in Mathematics. The team chose student success rates in Grade 10 Mathematics as indicators, so as to reflect on our strategies and accurately measure success in the course, as well as obtaining a graduation prerequisite.

Upon learning of Math Help Services software, we decided to utilize the program at every grade level, in order to implement the above-mentioned strategies and hopefully attain our goals

We were very encouraged and validated in our efforts to positively impact student results by the 10% and 5% increase in student success rates, in Sec.4 CST Mathematics (regular) and Sec.4 ST Mathematics (advanced), respectively. Teacher professional improvement, student engagement, stakeholder communication {parents, Teachers, Administrators & Students} and student results have all increased.

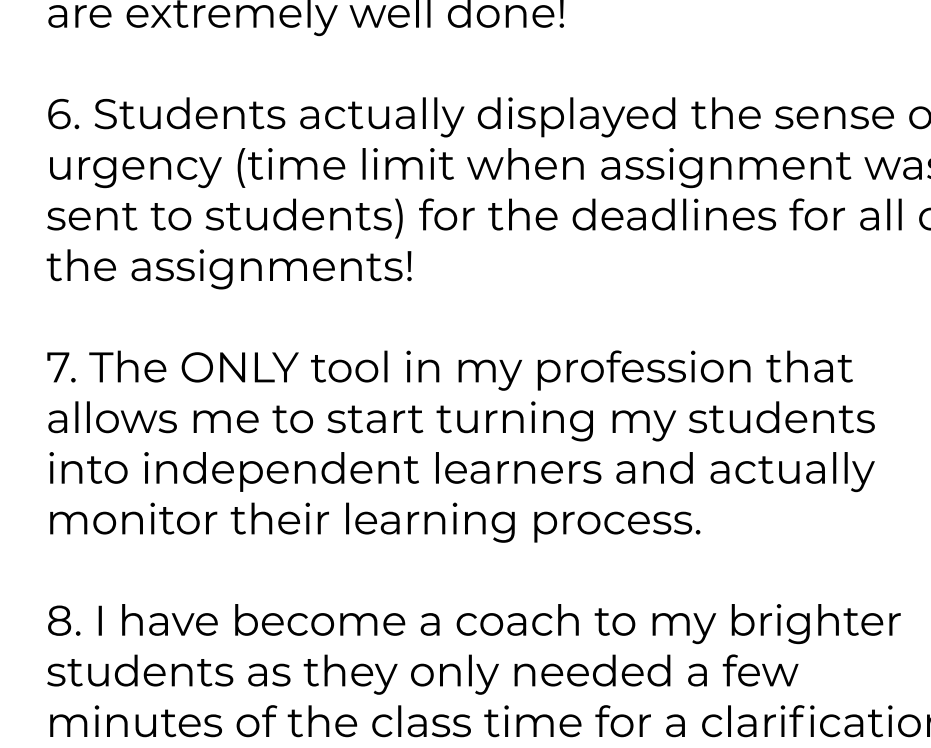


Click here to download a case study written by Gary S. Tennant, B. Ed, M.A.

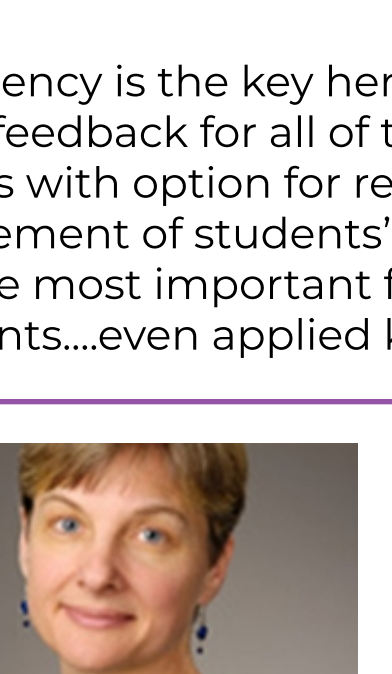
Principal at Howard S. Billings Regional Highschool

Gary's Findings

Following Implementation of MHS



Curriculum Head's Experience

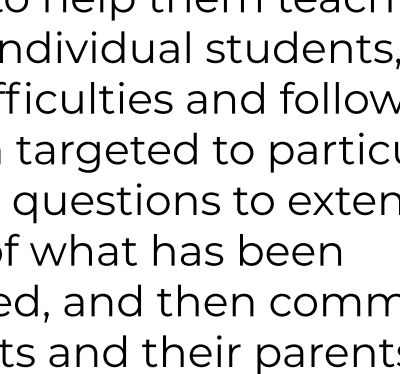


Katarina Hlavnicka

Math Teacher & Curriculum Head, North Park SS, Brampton, Ontario

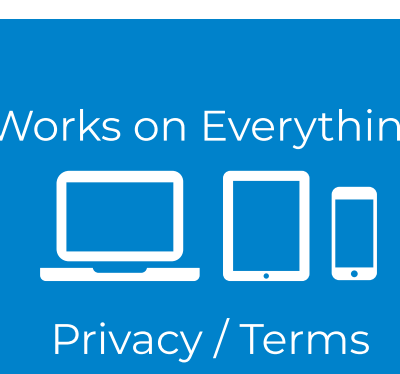
As an experienced math teacher I have flipped my classrooms and I have used several resources to help me with this new approach and classroom management. The most efficient resource I have been using in past two years is the software called Math Help Services. I used this software with my grade 9 applied and academic students and I consider it as the most efficient because:

1. All video lessons are in one place and accessible 24/7 from any place in the world.
2. I can create a formative assessment for any topic just in a few seconds.
3. This is my communication platform with students and parents!
4. Remediation (which I found to be extremely important for all of my students) is one of the BEST features of the software.
5. The investigations in optimization units are extremely well done!
6. Students actually displayed the sense of urgency (time limit when assignment was sent to students) for the deadlines for all of the assignments!
7. The ONLY tool in my profession that allows me to start turning my students into independent learners and actually monitor their learning process.
8. I have become a coach to my brighter students as they only needed a few minutes of the class time for a clarification or an extra explanation.
9. I have become a tutor to my slower learners and I was able to spend much more time with them one-on-one than ever before.
10. The efficiency is the key here! Immediate feedback for all of the assessments with option for remediation and improvement of students' learning has been the most important feature to all of my students...even applied kids!



Click here to download a case study written by Andrea Fanjoy.

Assistant Head, Academics, Kingsway College School, Etobicoke, Ontario




Catherine Le Maistre, PhD


Academic Dean and Professor of Mathematics Education (retired), Faculty of Education, McGill University

Teachers Don't need one more task on top of their busy workload. They need something to help them teach new material to individual students, diagnose students' difficulties and follow up with remediation targeted to particular problems or questions to extend ideas, keep track of what has been accomplished, and then communicate with students and their parents about what learning has (or has not) occurred. Math Help Services does all of this in an innovative unified package!

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Contact Information

 **Address:** 497 Main Road
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Canada
J0P 1H0

 **Office:** 450-231-4822

Toll Free: 1-888-238-1929

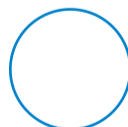
Fax: 1-888-455-1924

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I am a Quebec ...



Grade Level and Course



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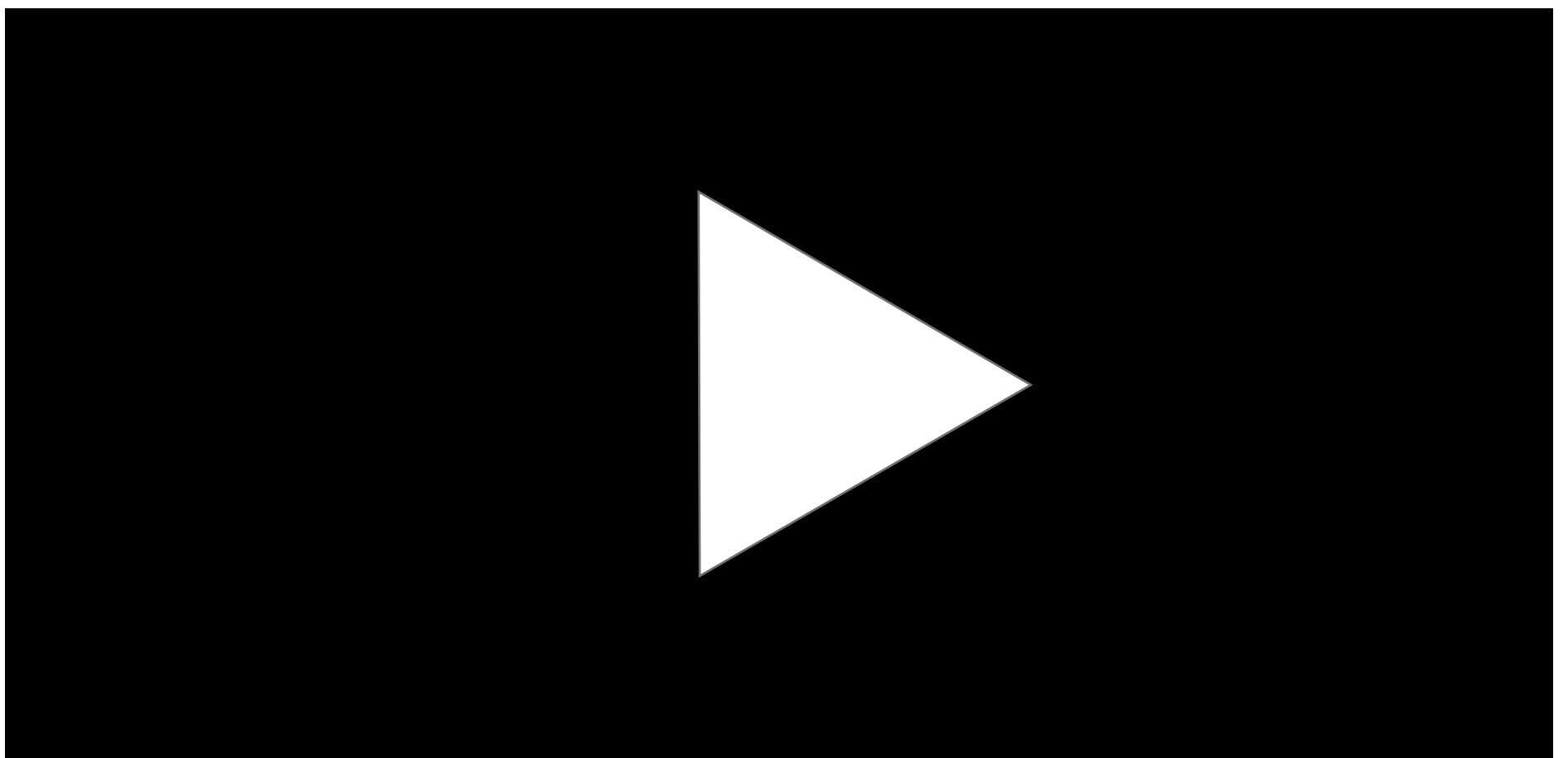


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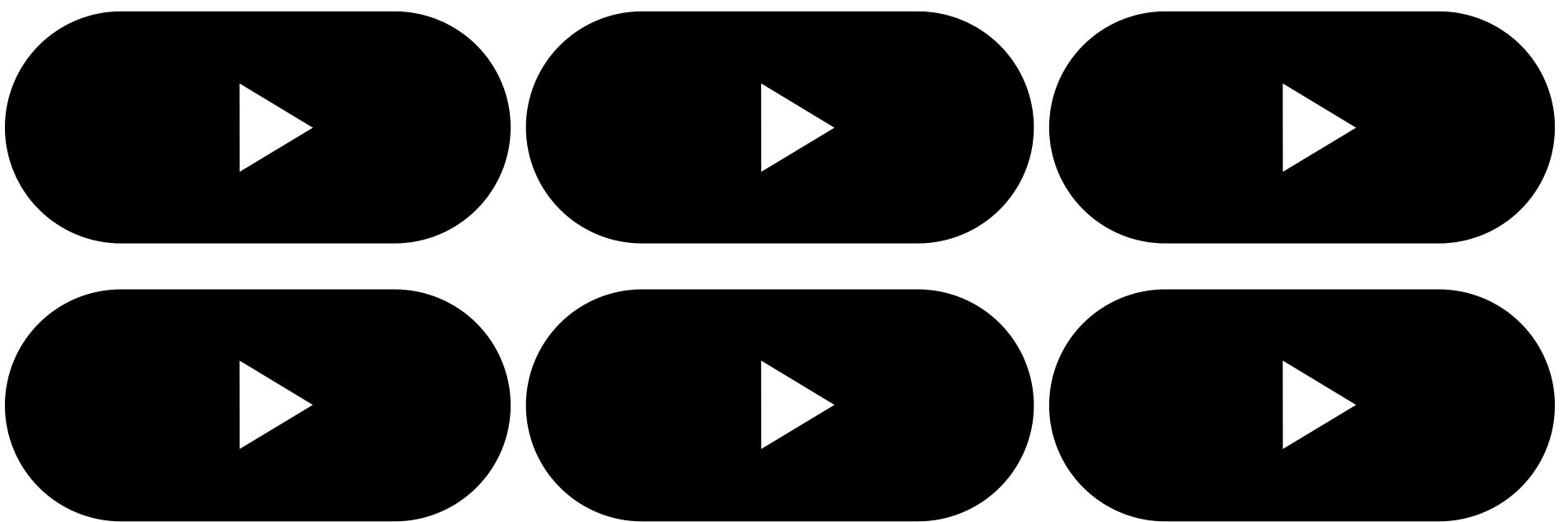
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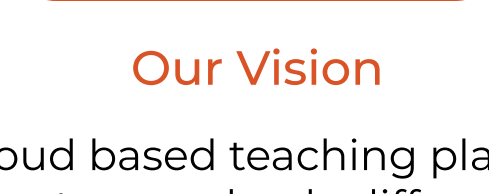
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- Introductory video instruction
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- Questions with detailed video solutions and self-testing features

Purposeful Practice

Every topic links to MHS's huge database of homework questions and, with the click of a button, teachers can assign homework on a topic. Assignments can be customized to suit the needs of the whole class or teachers can send individualized assignments to students who either need to review a concept, or need to be challenged.

Student performance on these assignments is recorded in the teachers grade book. This information provides teachers with key assessment indicators so they can identify if a student is having issues before formative assessment rather than after.

Unlimited Remediation

Students can receive unlimited remediation assignments for any homework assignment. The MHS system not only identifies topics that students struggled with, but also suggests remedial assignments to help them eliminate holes in their math knowledge and improve their performance.

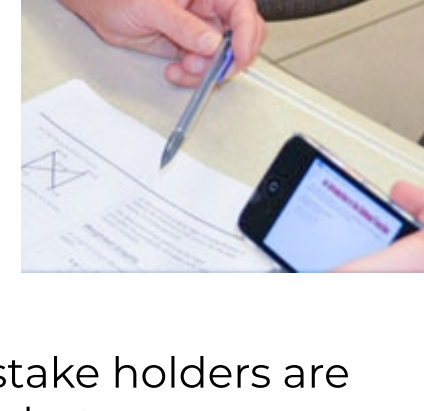
Every homework question links to a video lesson on that topic, enabling students to get the help they need anytime they need it.

They can access this content on any device with internet access 24 hours a day, 7 days a week.

Interactive Workbooks

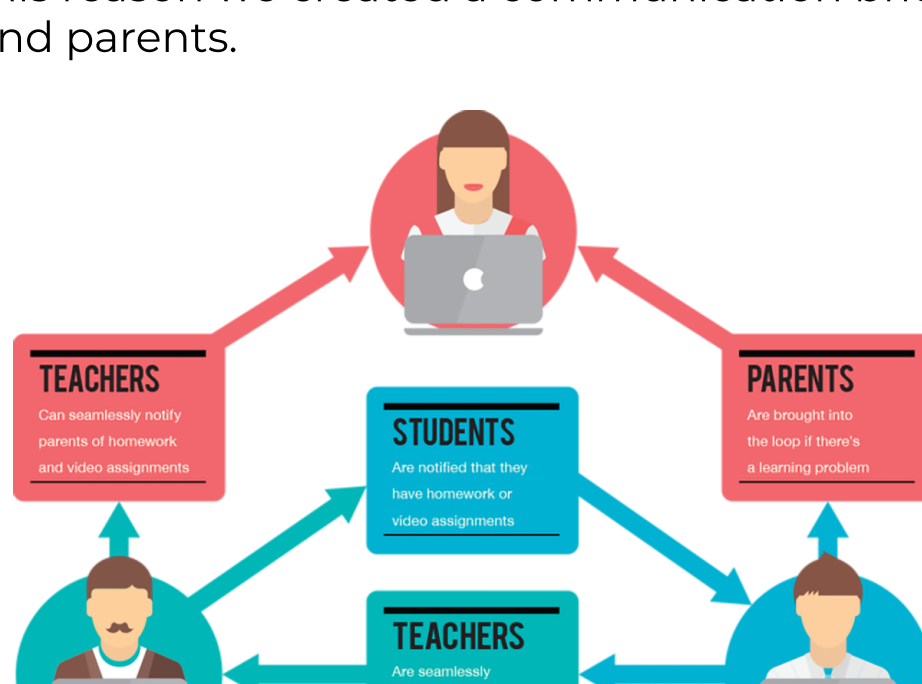
MHS creates an interactive workbook for each class curriculum with questions, practice tests for each chapter, classroom investigations to develop inquiry-based learning and practice final exams.

Questions link to walked-through video solutions, which can be accessed using the MHS mobile app to scan the links.



Communication Bridge

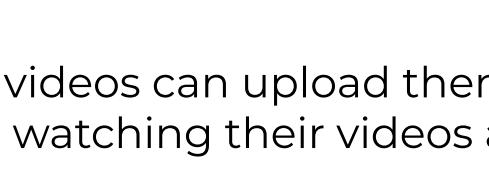
We believe students will have the best chance of success if all the stake holders are connected. It is for this reason we created a communication bridge between teachers, students and parents.



Seamless Digital Distribution

Teachers can drag and drop their own work from their computer to their MHS account and distribute it digitally to students. No more photocopying or lost assignments!

Teachers who make their own videos can upload them to our platform. They will be able to see which students are watching their videos and which ones are not.



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Perfectly Aligned Curriculum

MHS hits 100% of your curriculum expectations. It's the most perfectly aligned resource available for you and your students.

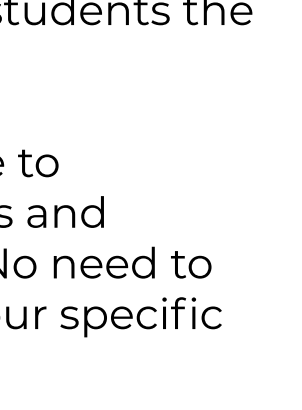
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Unlike traditional resources, Math Help Services can respond in real time to curriculum changes. Additionally, we have the ability to listen to teachers and administrators and respond to their specific needs whenever required. No need to pay for the latest edition of a textbook, Math Help Services updates to your specific needs automatically free of charge.

Comprehensive Training and Professional Development

We want MHS to work so well for teachers and students that they enjoy using it. We begin by training teachers one-on-one in their own schools to ensure they are comfortable using the system. Then we come back and help the teacher launch the system in the classroom and to ensure students know how to get the most from MHS in class and at home.

And that's not all. We come back to the school during the year to meet with the teacher, walk through any issues and listen to suggestions on how to improve MHS.



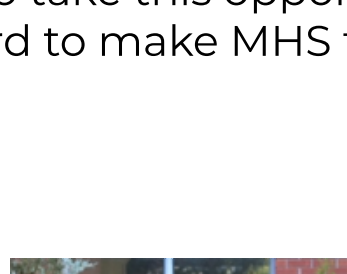
We are committed to training, supporting and listening to teachers. Ultimately, your success is our success.



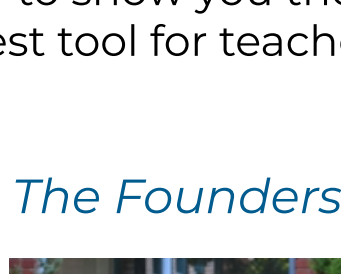
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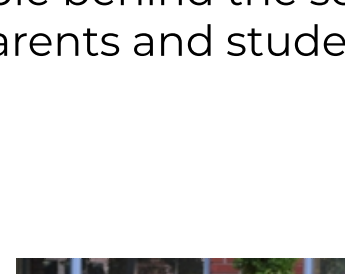
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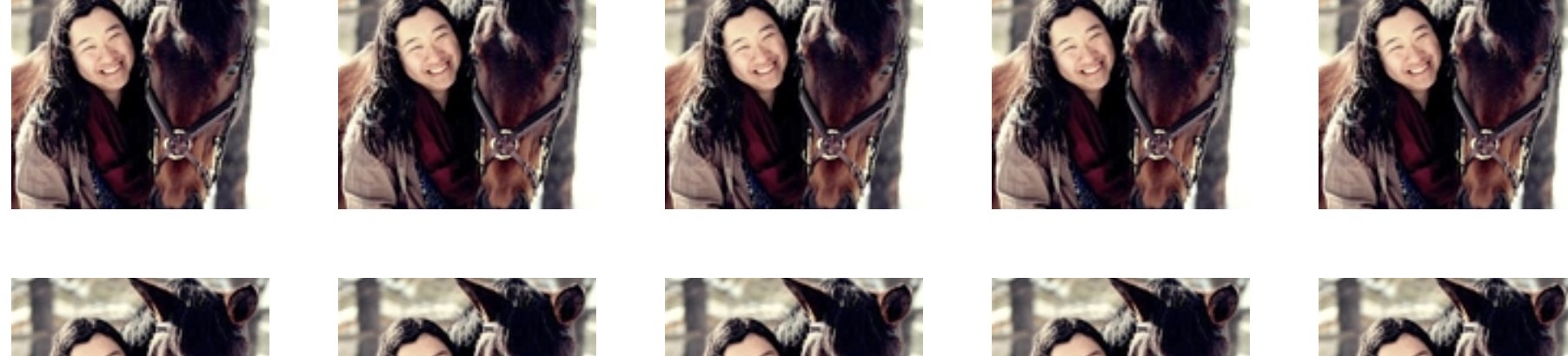
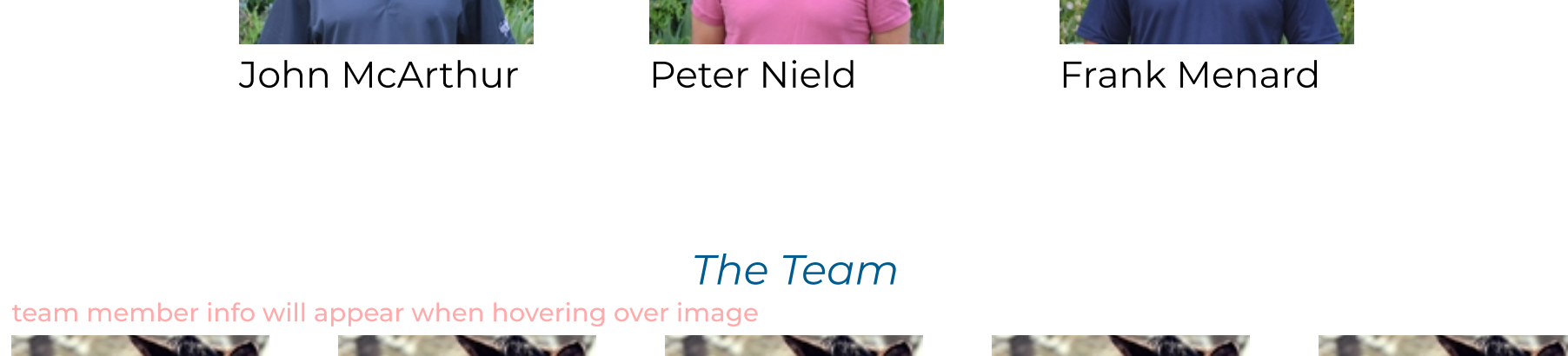
Peter Nield



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The Team

team member info will appear when hovering over image



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[▶ Teacher Resource Example](#)



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Works on Everything



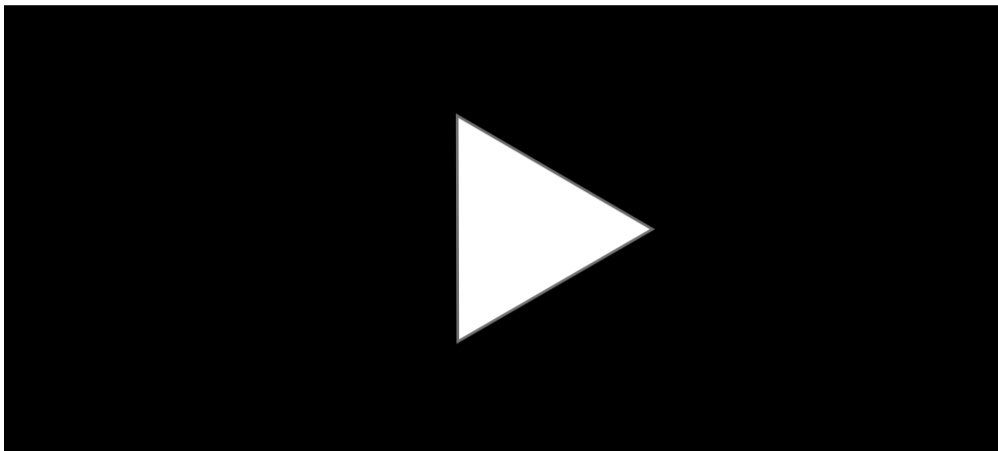
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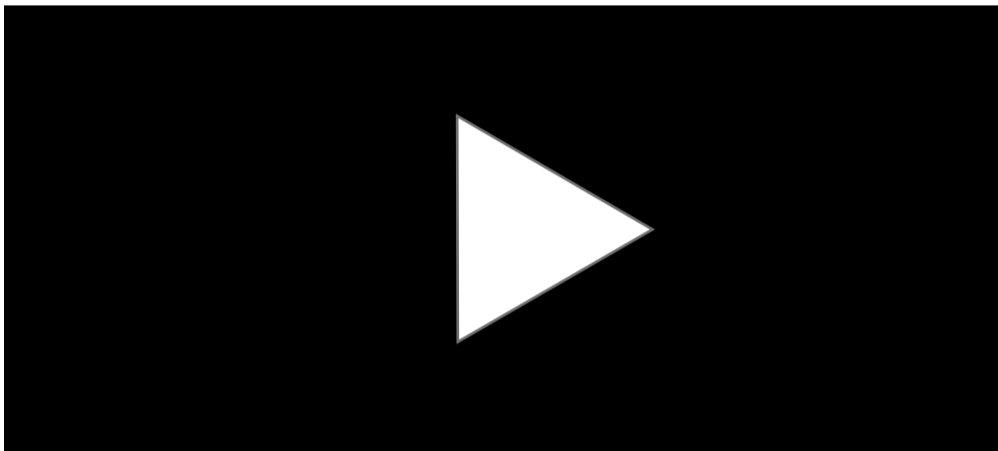
Testimonials



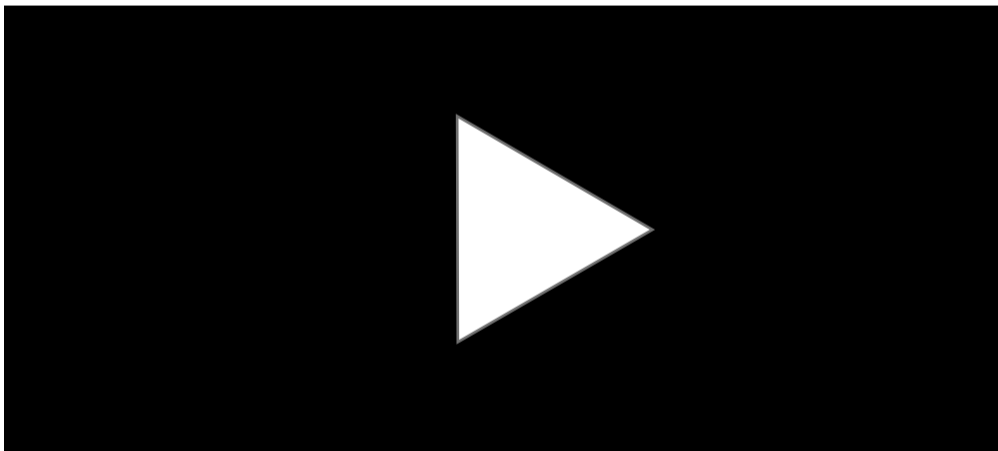
Students



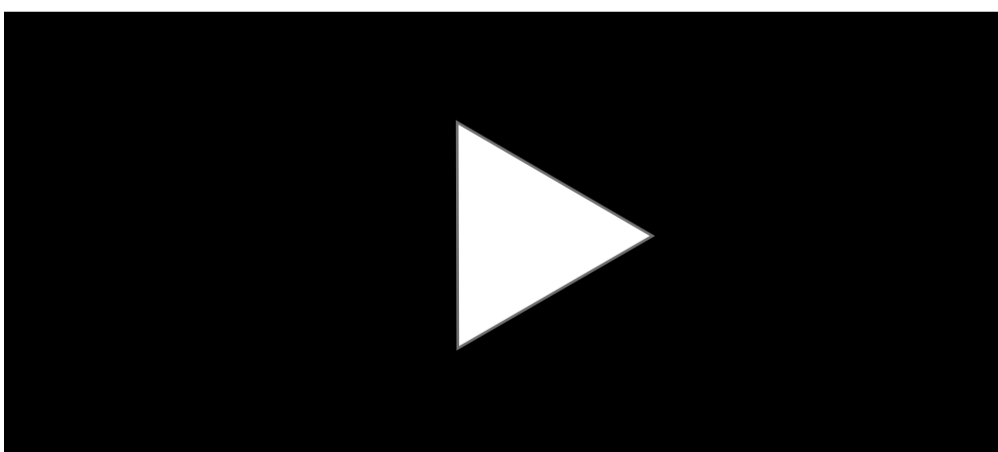
Teachers



Parents



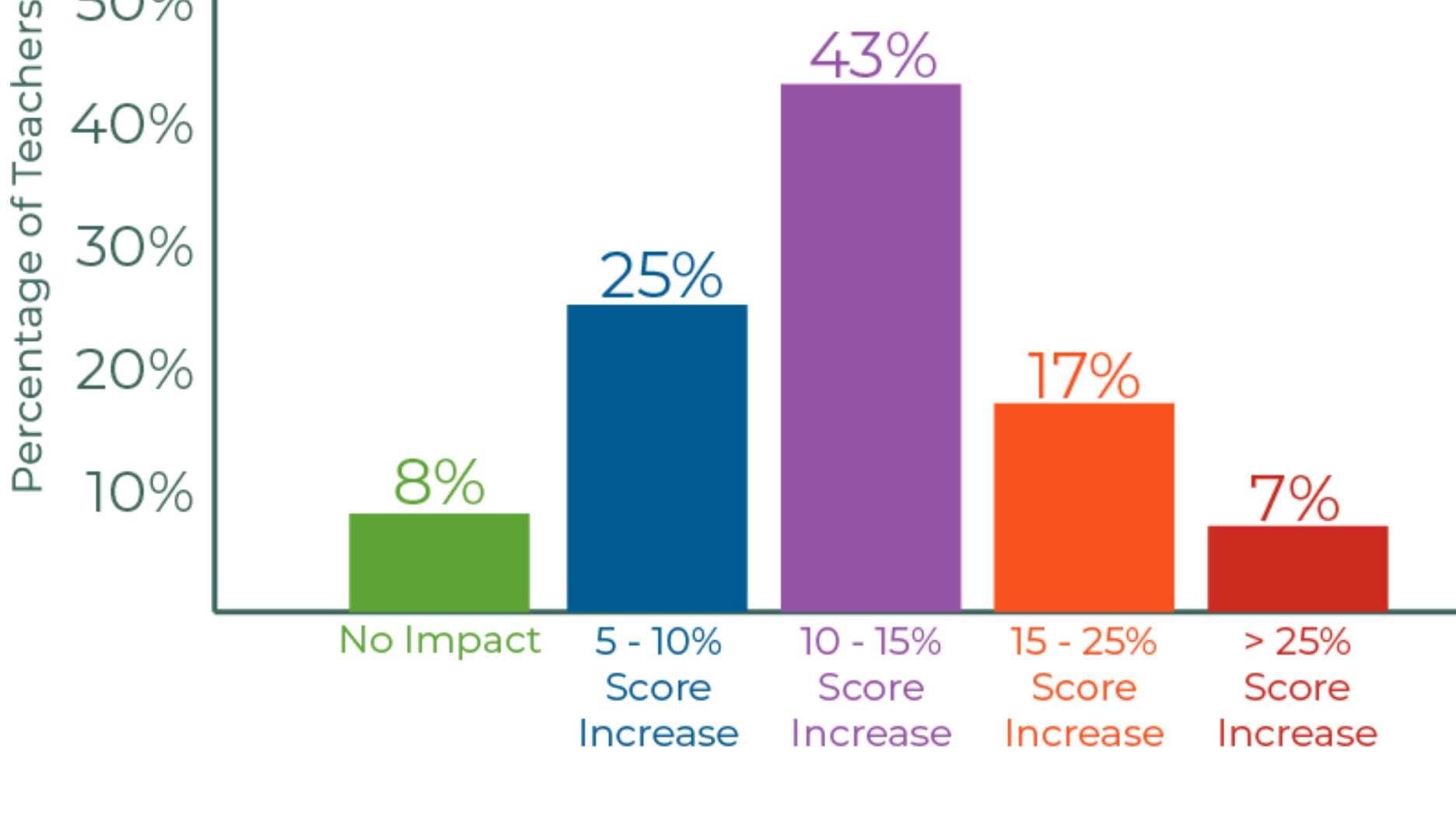
Administrators



Results

We Asked Teachers and This is What They Said:

67% of Teachers implementing MHS have seen a minimum improvement of 10% in average scores



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Gary S Tennant

As a school, we have been striving to develop strategies to improve our teaching practice, increase student learning and promote greater student success in general. The development and implementation of our school's Management and Educational Success Agreement has given us this opportunity; the primary goal being to increase the school's graduation rate (Grade 10 Mathematics is a prerequisite course required for the certification of studies in Quebec in order to graduate from secondary school)

Our Mathematics team has prioritized the integration of technology in classroom practice as a major strategy to improve students' success in Mathematics. We have also been investigating methods and tools to increase student engagement, specifically in Mathematics. The team chose student success rates in Grade 10 Mathematics as indicators, so as to reflect on our strategies and accurately measure success in the course, as well as obtaining a graduation prerequisite.

Upon learning of Math Help Services software, we decided to utilize the program at every grade level, in order to implement the above-mentioned strategies and hopefully attain our goals

We were very encouraged and validated in our efforts to positively impact student results by the 10% and 5% increase in student success rates, in Sec.4 CST Mathematics (regular) and Sec.4 ST Mathematics (advanced), respectively. Teacher professional improvement, student engagement, stakeholder communication (parents, Teachers, Administrators & Students) and student results have all increased.

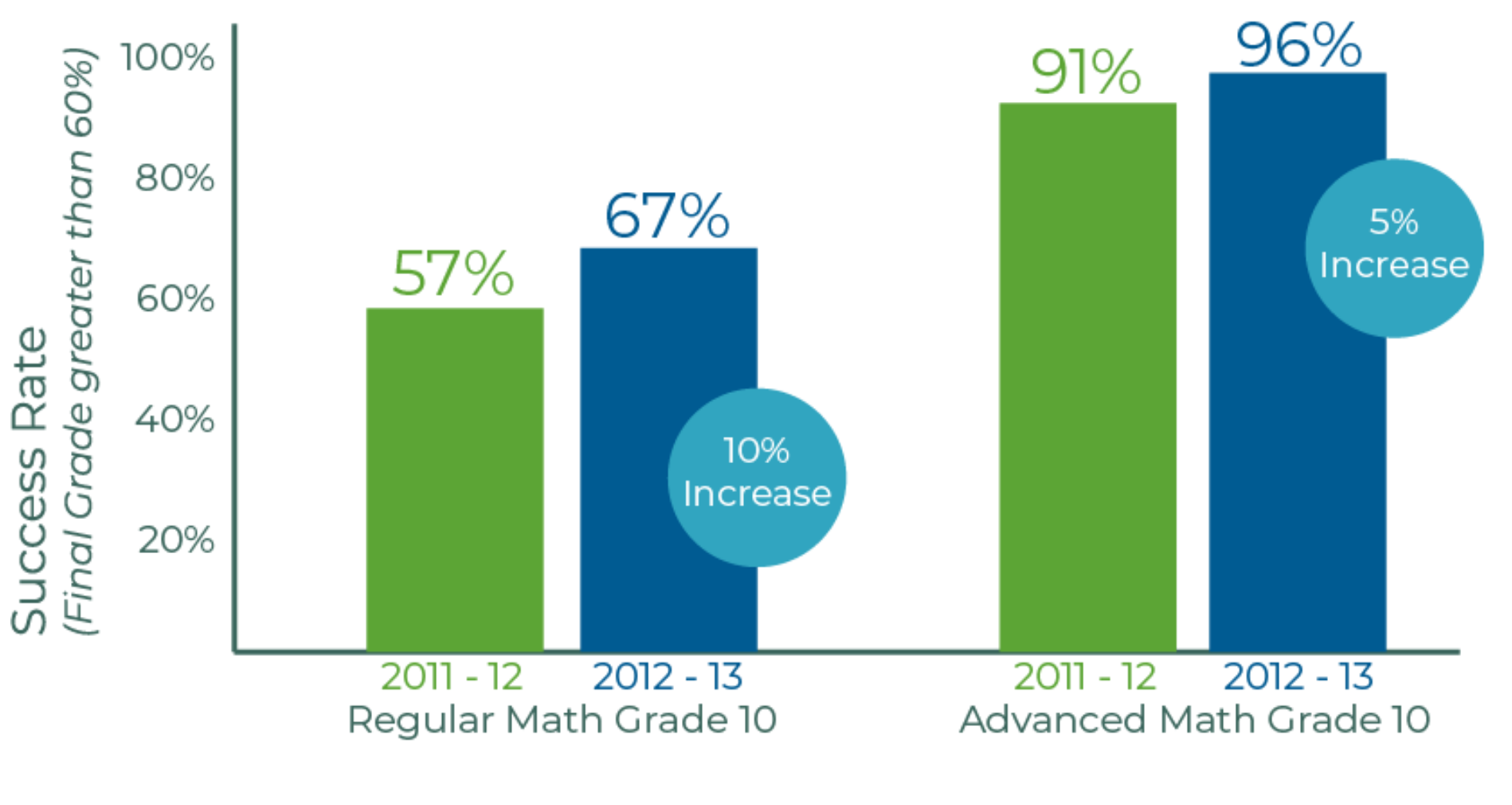


[Click here to download a case study written by Gary S. Tennant, B. Ed, M.A.](#)

Principal at Howard S. Billings Regional Highschool

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Following Implementation of MHS



Curriculum Head's Experience



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Math Teacher & Curriculum Head, North Park SS, Brampton, Ontario

As an experienced math teacher I have flipped my classrooms and I have used several resources to help me with this new approach and classroom management. The most efficient resource I have been using in past two years is the software called Math Help Services. I used this software with my grade 9 applied and academic students and I consider it as the most efficient because:

- All video lessons are in one place and accessible 24/7 from any place in the world.
- I can create a formative assessment for any topic just in a few seconds.
- This is my communication platform with students and parents!
- Remediation (which I found to be extremely important for all of my students) is one of the BEST features of the software.
- The investigations in optimization units are extremely well done!
- Students actually displayed the sense of urgency (time limit when assignment was sent to students) for the deadlines for all of the assignments!
- The ONLY tool in my profession that allows me to start turning my students into independent learners and actually monitor their learning process.
- I have become a coach to my brighter students as they only needed a few minutes of the class time for a clarification or an extra explanation.
- I have become a tutor to my slower learners and I was able to spend much more time with them one-on-one than ever before.
- The efficiency is the key here! Immediate feedback for all of the assessments with option for remediation and improvement of students' learning has been the most important feature to all of my students...even applied kids!



Andrea Fanjoy

Assistant Head, Academics, Kingsway College School, Etobicoke, Ontario

Excerpt from Case Study:

KCS has been following how some innovative schools are using technology to help their teachers deliver such a program. As a result, we have launched a new tool and a new approach to teaching math in grades 7 and 8. This tool and approach have been shown to significantly help provide all of the above, with the additional bonus of having math instruction and review available 24/7, as frequently as students need, all year long. The program called 'the help classroom' and the tool is an online program called Math Help Services. This program offers the strengths of our former program with all the benefits that technology offers.

With our new online resource from Math Help Services, KCS students have an account that gives them 24/7 access to an online collection of videos, lesson notes, sample questions and homework questions. Students watch assigned lessons on video at home as part of their homework. The video gives clear instruction and step-by-step examples. Students also take their first steps applying what they have learned from the video, doing practice questions and submitting their answers online. The program allows the teacher to monitor at a glance how well each student is doing with the questions. The teacher then uses this information to help determine who understands and who might need some extra attention during class the following day.

The benefits of this approach are numerous.



[Click here to download a case study written by Andrea Fanjoy.](#)

Assistant Head, Academics, Kingsway College School, Etobicoke, Ontario



Catherine Le Maistre, PhD

Academic Dean and Professor of Mathematics Education (retired), Faculty of Education, McGill University

Teachers Don't need one more task on top of their busy workload. They need something to help them teach new material to individual students, diagnose students' difficulties and follow up with remediation targeted to particular problems or questions to extend ideas, keep track of what has been accomplished, and then communicate with students and their parents about what learning has (or has not) occurred. Math Help Services does all of this in an innovative unified package!



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Fax: 1-888-455-1924

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Login to your Math Help Services Account

Student Portal

[I forgot my password](#)

[Need help?](#)



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Parent Portal

[Request a password](#)

[Need help?](#)

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Register



Registration

School and Course Information

I am a Quebec ... ▼

Grade Level and Course ▼

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Next

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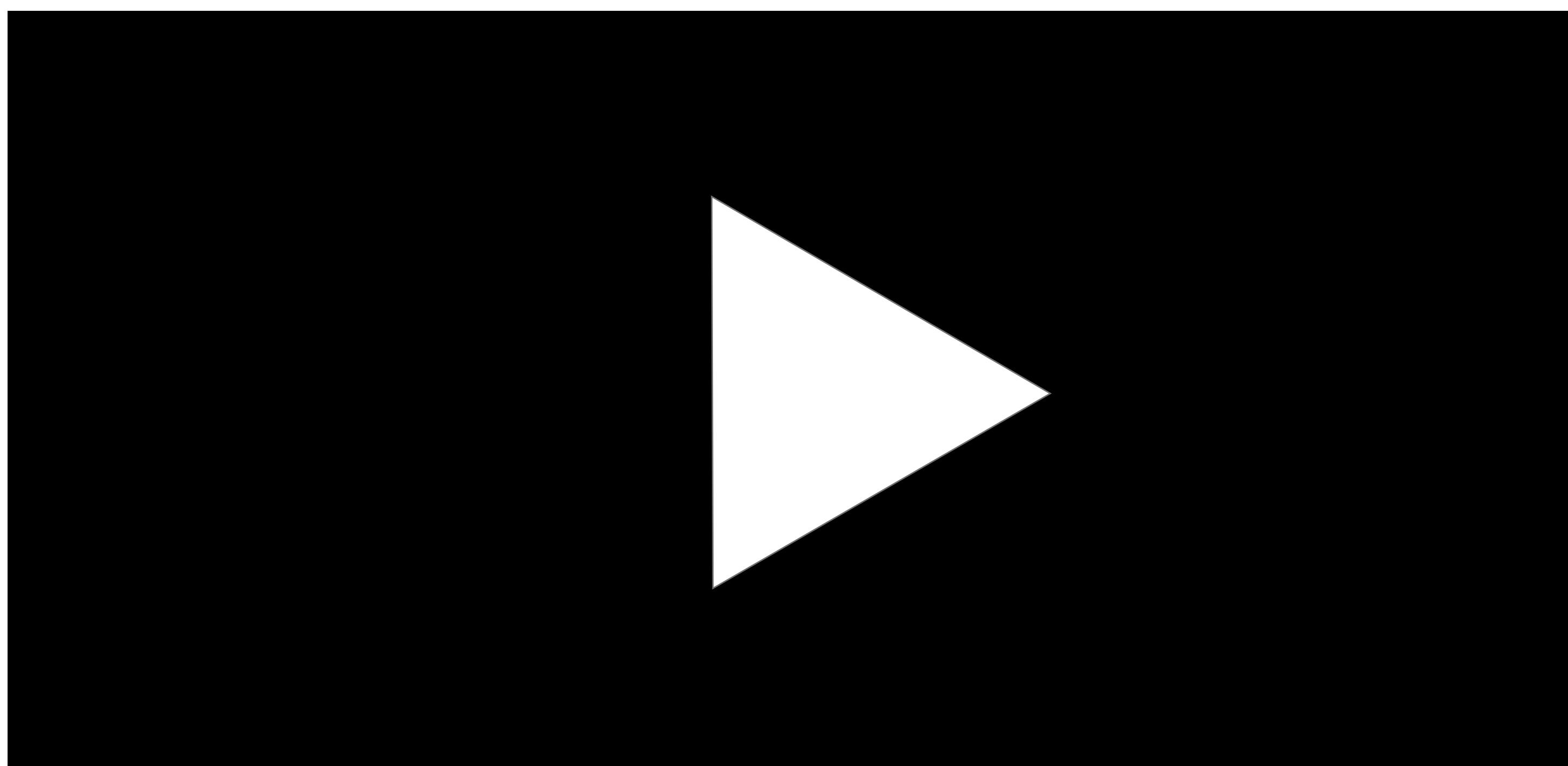
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Math Help Services - a better way to do math



Developing Students

We believe that every student can succeed in mathematics, given the necessary framework, structure and support group to assist them in the development of a growth mindset.



Supporting Teachers

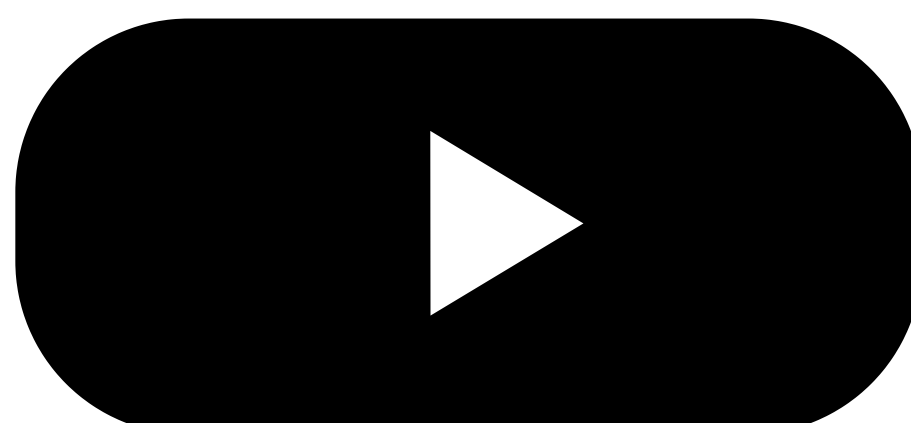
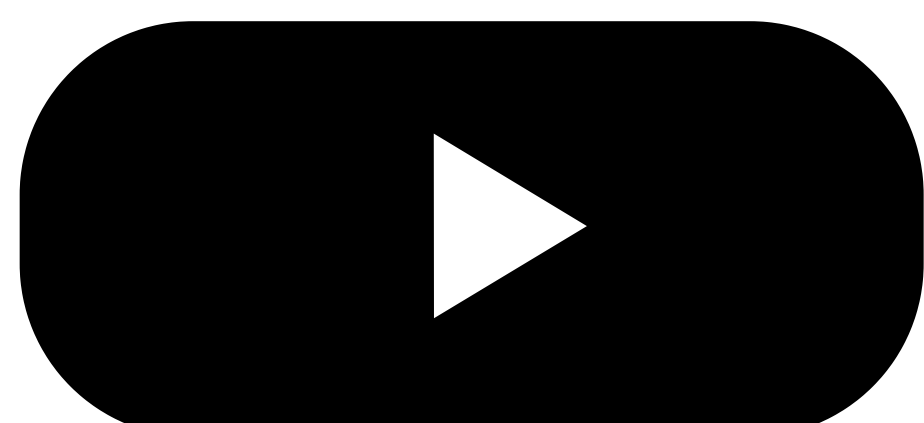
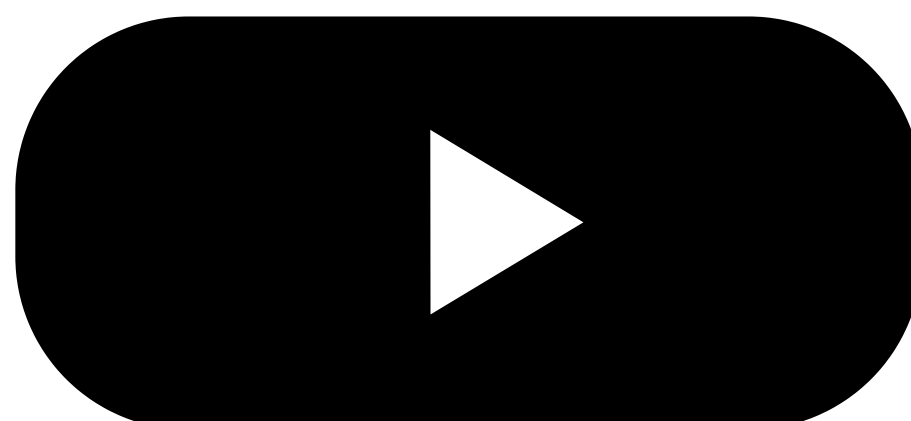
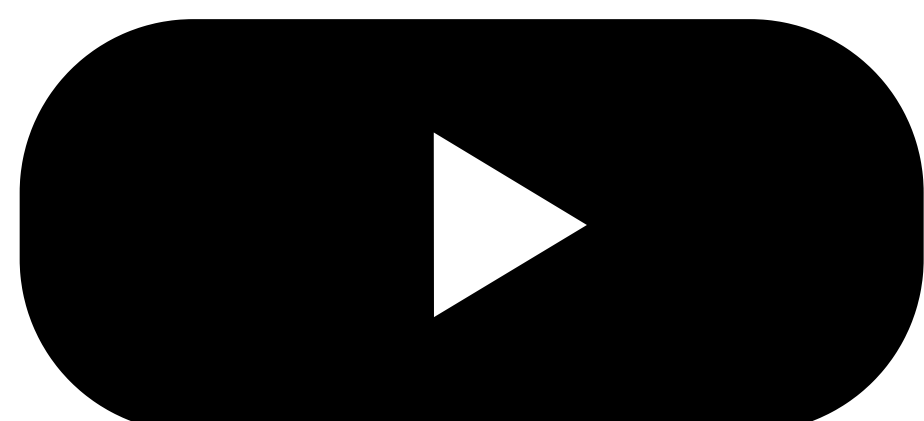
We believe that all teachers want the best resources available to confidently deliver their curriculum and differentiate curriculum-aligned materials to each individual student's needs.



Including Parents

We believe that parents want to be included in their child's education. To be able to assist them in learning at home and to be notified of their child's ongoing progress in their math course.

Product Videos



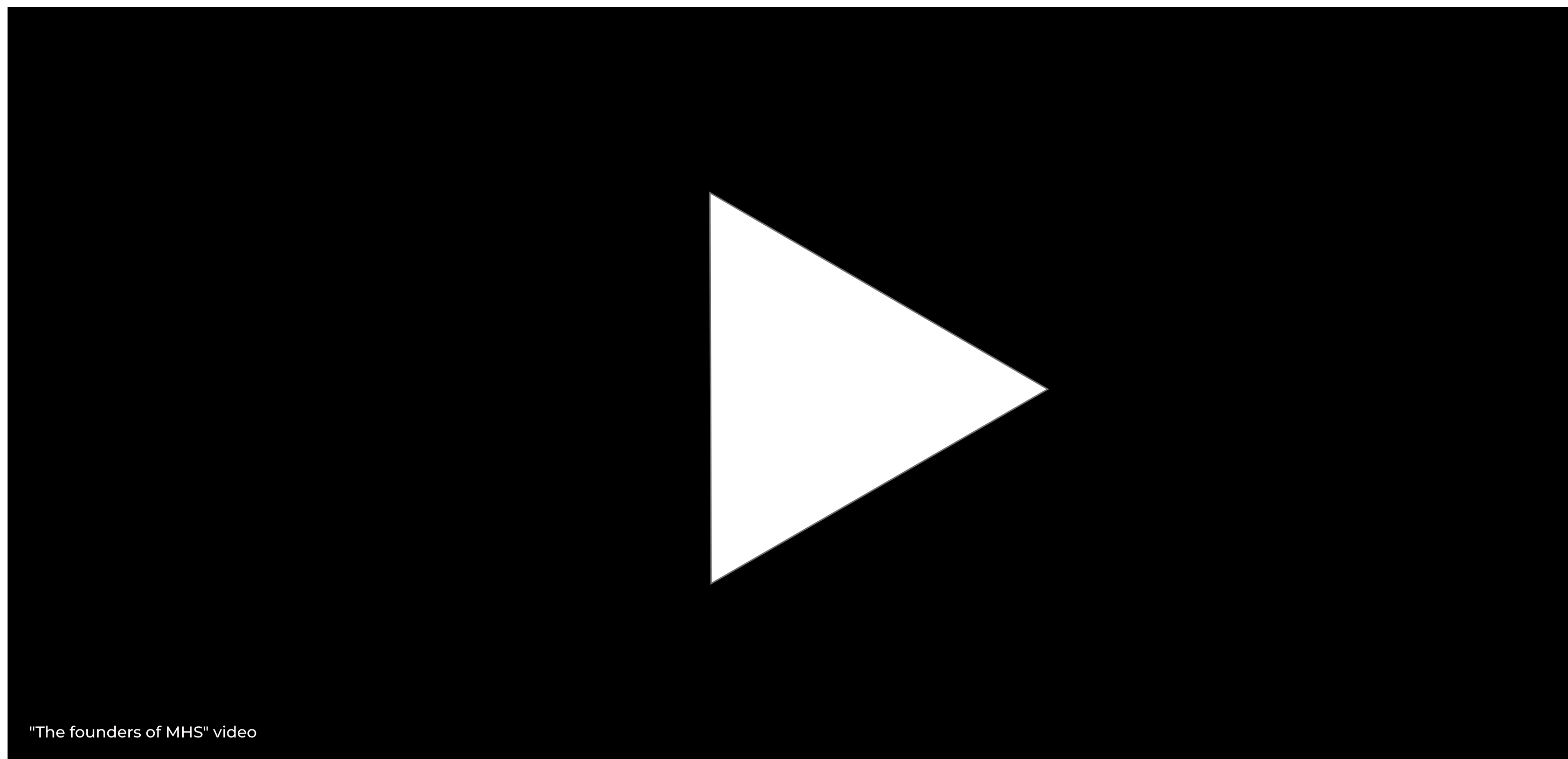
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About Math Help Services



- Our Vision
- What We Do
- How We Do It
- Our Team



Our Vision

Imagine a comprehensive cloud based teaching platform for mathematics, a resource that enables teachers to seamlessly differentiate instruction for every student while using an interface wholly relevant to today's learners and educators.

The initial team of two has grown into a worldwide professional network of teachers, academics and programmers focused on continually improving MHS to satisfy the needs of classroom teachers.

MHS is now being used across the country to help educators increase student engagement and performance in math.

- Founded 2009
- Founders John McArthur & Peter Nield
- Videos Viewed 123 456
- Questions Answered 123 456



What We Do

MHS gives students and teachers the resources they need to best take advantage of today's technology.

Curriculum-Aligned Video Instruction

At its core, MHS is a set of detailed video lessons, perfectly aligned to the teacher's class curriculum. Each video lesson contains:

- Introductory video instruction
- Walked-through examples
- Questions with detailed video solutions and self-testing features

Purposeful Practice

Every topic links to MHS's huge database of homework questions and, with the click of a button, teachers can assign homework on a topic. Assignments can be customized to suit the needs of the whole class or teachers can send individualized assignments to students who either need to review a concept, or need to be challenged.

Student performance on these assignments is recorded in the teachers grade book. This information provides teachers with key assessment indicators so they can identify if a student is having issues before formative assessment rather than after.

Unlimited Remediation

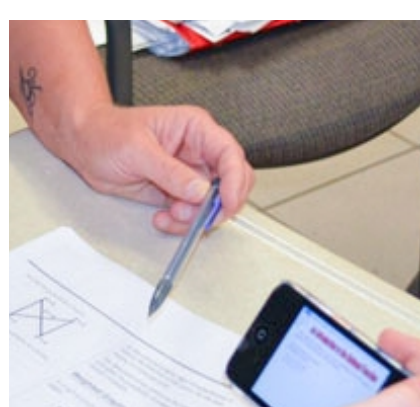
Students can create unlimited remediation assignments for any homework assignment. The MHS system not only identifies topics that students struggled with, but also suggests remedial assignments to help them eliminate holes in their math knowledge and improve their performance.

Every homework question links to a video lesson on that topic, enabling students to get the help they need anytime they need it.

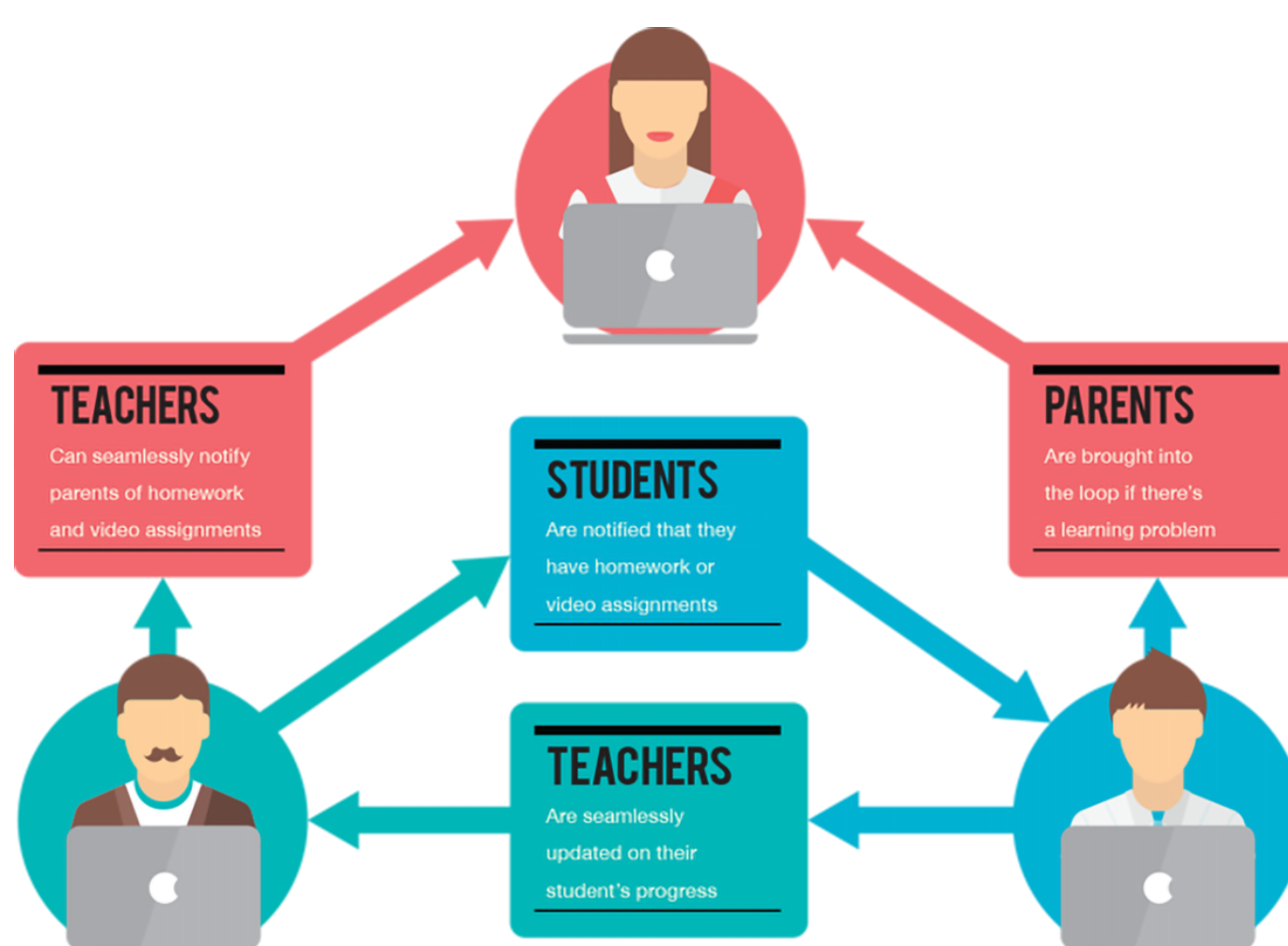
They can access this content on any device with internet access 24 hours a day, 7 days a week.

Interactive Workbooks

MHS creates an interactive workbook for each class curriculum with questions, practice tests for each chapter, classroom investigations to develop inquiry-based learning and practice final exams.



Questions link to walked-through video solutions, which can be accessed using the MHS mobile app to scan the links.



Communication Bridge

We believe students will have the best chance of success if all the stake holders are connected. It is for this reason we created a communication bridge between teachers, students and parents.

Seamless Digital Distribution

Teachers can drag and drop their own work from their computer to their MHS account and distribute it digitally to students. No more photocopying or lost assignments!

Teachers who make their own videos can upload them to our platform. They will be able to see which students are watching their videos and which ones are not.



How We Do It

Perfectly Aligned Curriculum

MHS hits 100% of your curriculum expectations. It's the most perfectly aligned resource available for you and your students.

Here's why: Our first step before we move into a jurisdiction is to meet with local teachers and curriculum specialists. With their help, we work backwards from the final exam through the curriculum expectations. This guarantees that we hit all the expectations at the right level and it ensures that we give teachers and students the resources they need.

Unlike traditional resources, Math Help Services can respond in real time to curriculum changes. Additionally, we have the ability to listen to teachers and administrators and respond to their specific needs whenever required. No need to pay for the latest edition of a textbook, Math Help Services updates to your specific needs automatically free of charge.

Comprehensive Training and Professional Development

We want MHS to work so well for teachers and students that they enjoy using it. We begin by training teachers one-on-one in their own schools to ensure they are comfortable using the system. Then we come back and help the teacher launch the system in the classroom to ensure students know how to get the most from MHS in class and at home. And that's not all. We come back to the school during the year to meet with the teacher, walk through any issues and listen to suggestions on how to improve MHS.



We are committed to training, supporting and listening to teachers. Ultimately, your success is our success.



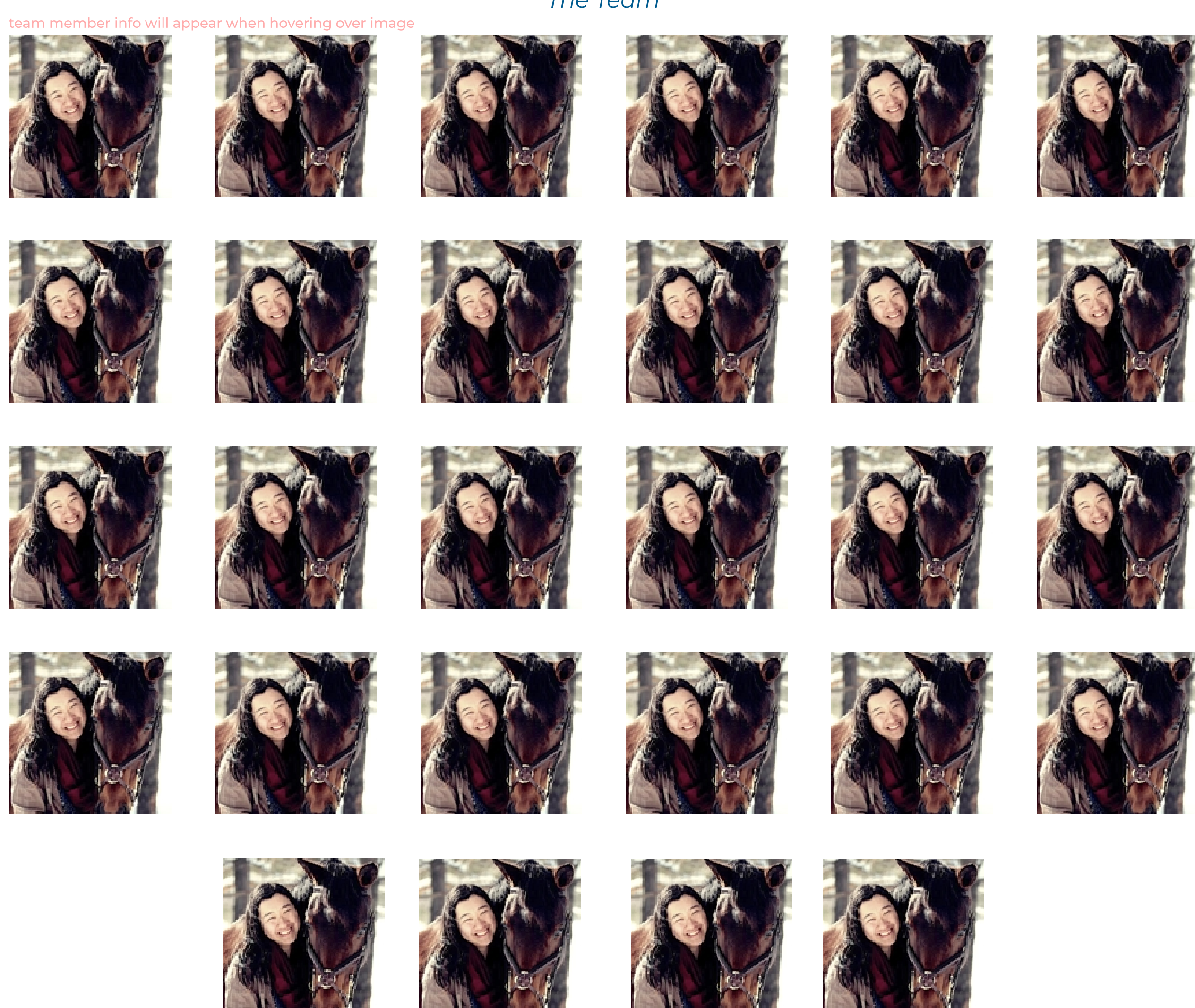
Our Team

We are fortunate to have very talented and dedicated people working for us. We would like to take this opportunity to show you the people behind the scenes, working hard to make MHS the best tool for teachers, parents and students.

The Founders

- John McArthur
- Peter Nield
- Frank Menard

The Team





The Math Help Services Approach



- [Inquiry Based Learning](#)
- [Developing a Growth Mindset](#)
- [Differentiate to Every Student](#)
- [Professional Development](#)
- [The Resource Hub](#)
- [The Move to BYOD](#)



Inquiry Based Learning

Our shared challenge as educators is to move students from passive recipients of information to knowledge builders, capable of creative and innovative approaches to problem solving. Our Conceptual Inquiry module is designed to provide teachers with the tools to initiate meaningful and collaborative inquiry based discussions in their classrooms.

These mini lessons allow students to develop a deep understanding of a concept. They promote creative approaches using the students' prior knowledge and the discovery of the obstacles they are confronted with before learning.

In essence, our Conceptual Inquiry module allows the learning to belong to the students rather than something that is handed to them.

Each of the Conceptual Inquiry lessons has the students working in pairs or in small groups to explore the concept collaboratively. The concept of Big Ideas in mathematics is woven into the discussion questions of the lessons. Students begin to view mathematics topics as coherent and connected pieces of a larger puzzle rather than isolated skills to be remembered.

[▶ Conceptual Inquiry Learning Example](#)

[▶ Teacher Resource Example](#)



Developing a Growth Mindset

Our Targeted Remediation promotes purposeful practice and develops a growth mindset in students by rewarding effort and progress rather than results. Students are offered an unlimited number of attempts at each assignment. Students may continue to work on a concept until they achieve mastery.

By awarding the best grade a student obtains and reporting student effort to teachers and parents, MHS has developed a unique way of rewarding progress and creating a growth mindset environment. That is, the MHS remediation module does not report a failure to learn a concept; rather it lets students know that they simply haven't mastered a concept yet.

This environment of rewarding student effort has resulted in student engagement levels with MHS that are off the charts. Students become addicted to the success that rewarding progress brings. They continue to work on topics until they feel they have mastered them. We set out to develop a system that would increase student confidence and change student attitudes toward mathematics. What we didn't fully understand at the outset was how our model of rewarding progress would drastically improve student results in the process.



Differentiate to Every Student

Every math classroom contains several different learning levels and individuals with unique needs. With traditional resources, it has always been a daunting task to differentiate instruction and assessment to every student in the class based on those unique needs.

MHS allows teachers to seamlessly differentiate materials to every student in the class. A teacher can assign lessons to a student to help fill gaps in their learning or to achieve a deeper conceptual understanding of a topic to a group of students.

The MHS system detects where students may be struggling and delivers assessment indicators to the teacher (and parents) daily. Gone are the days where a teacher needs to play the role of a private investigator at the front of the room. MHS teachers walk in to each class knowing their students' effort, progress and potential obstacles.



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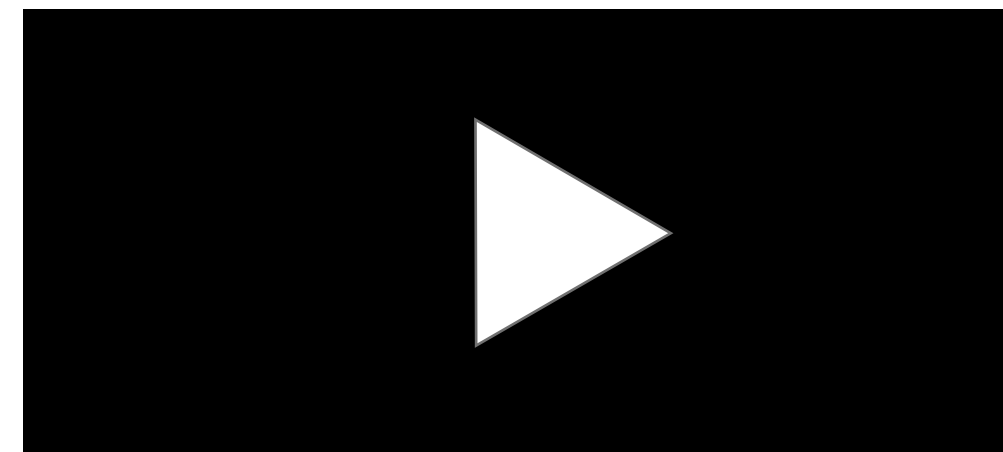
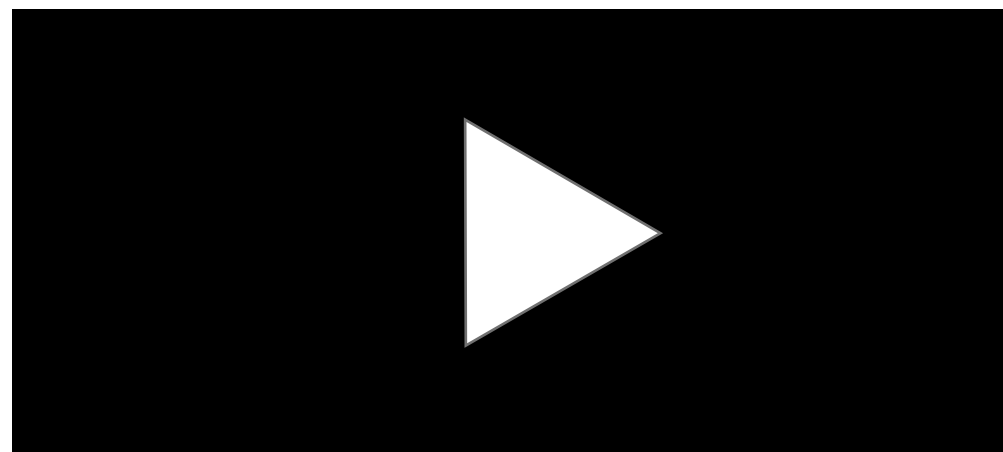
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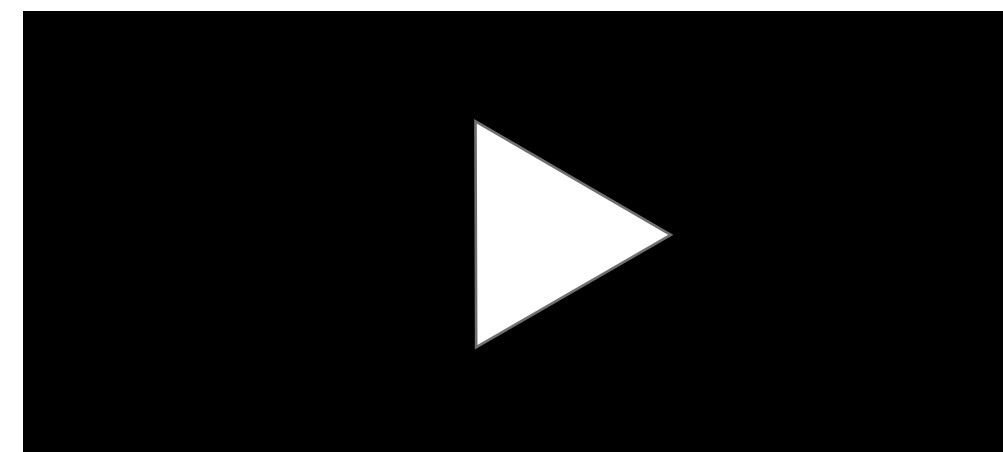
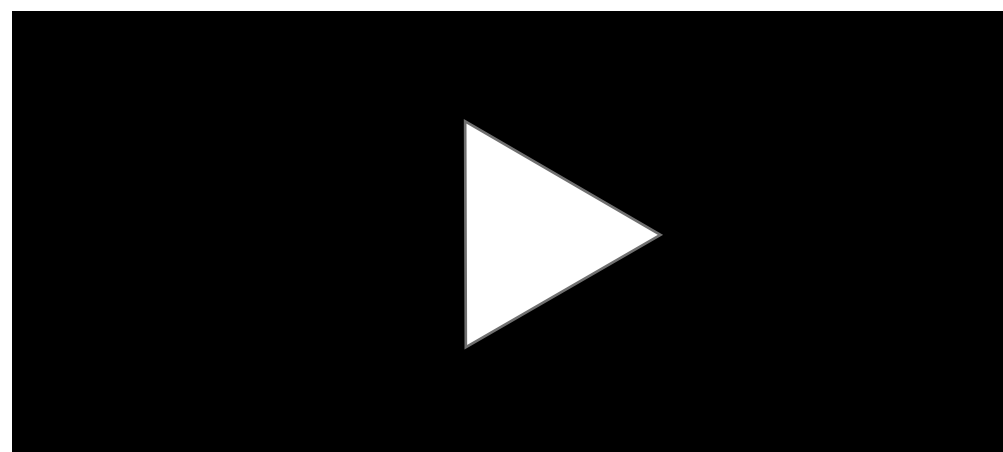
Teachers



Parents



Administrators



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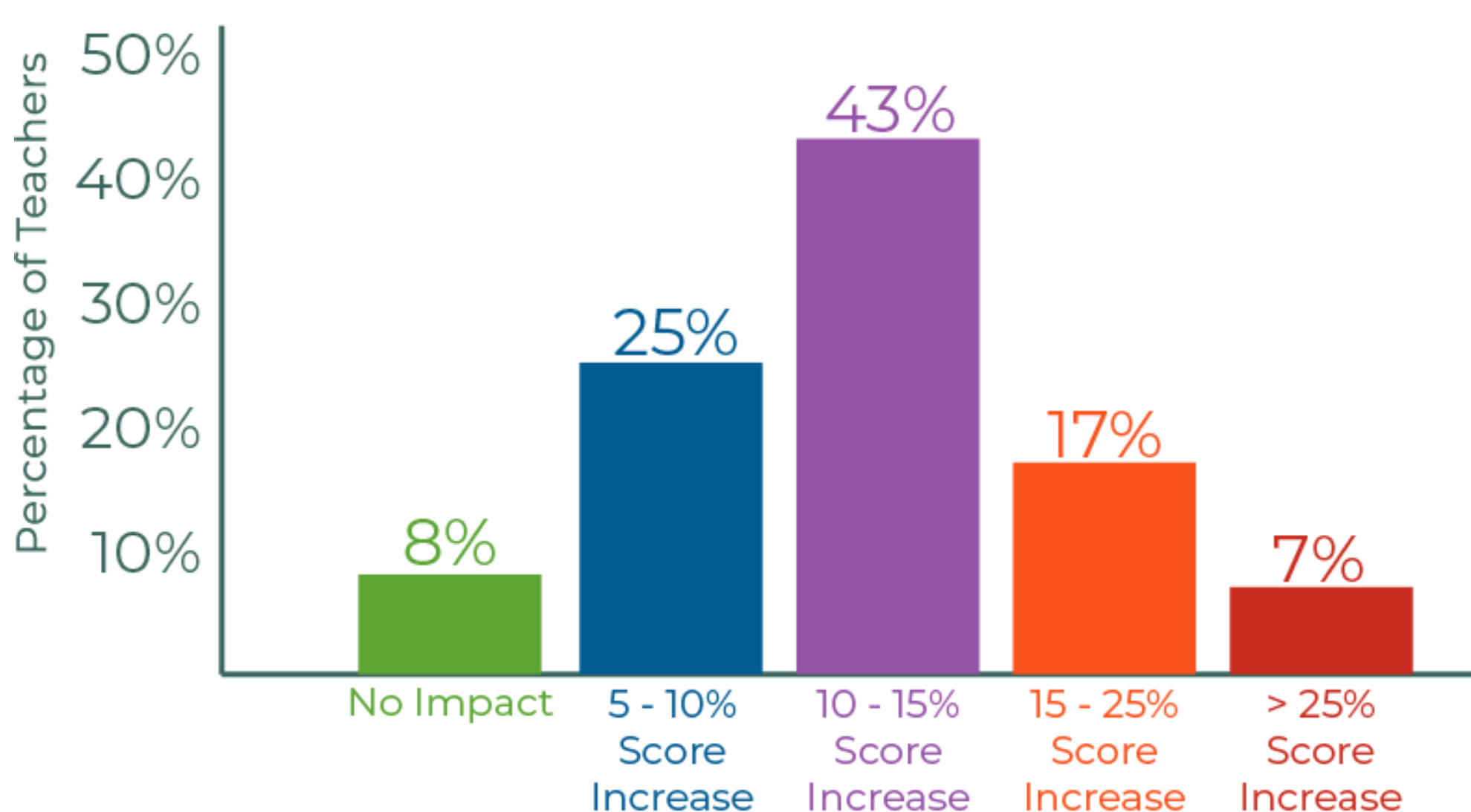
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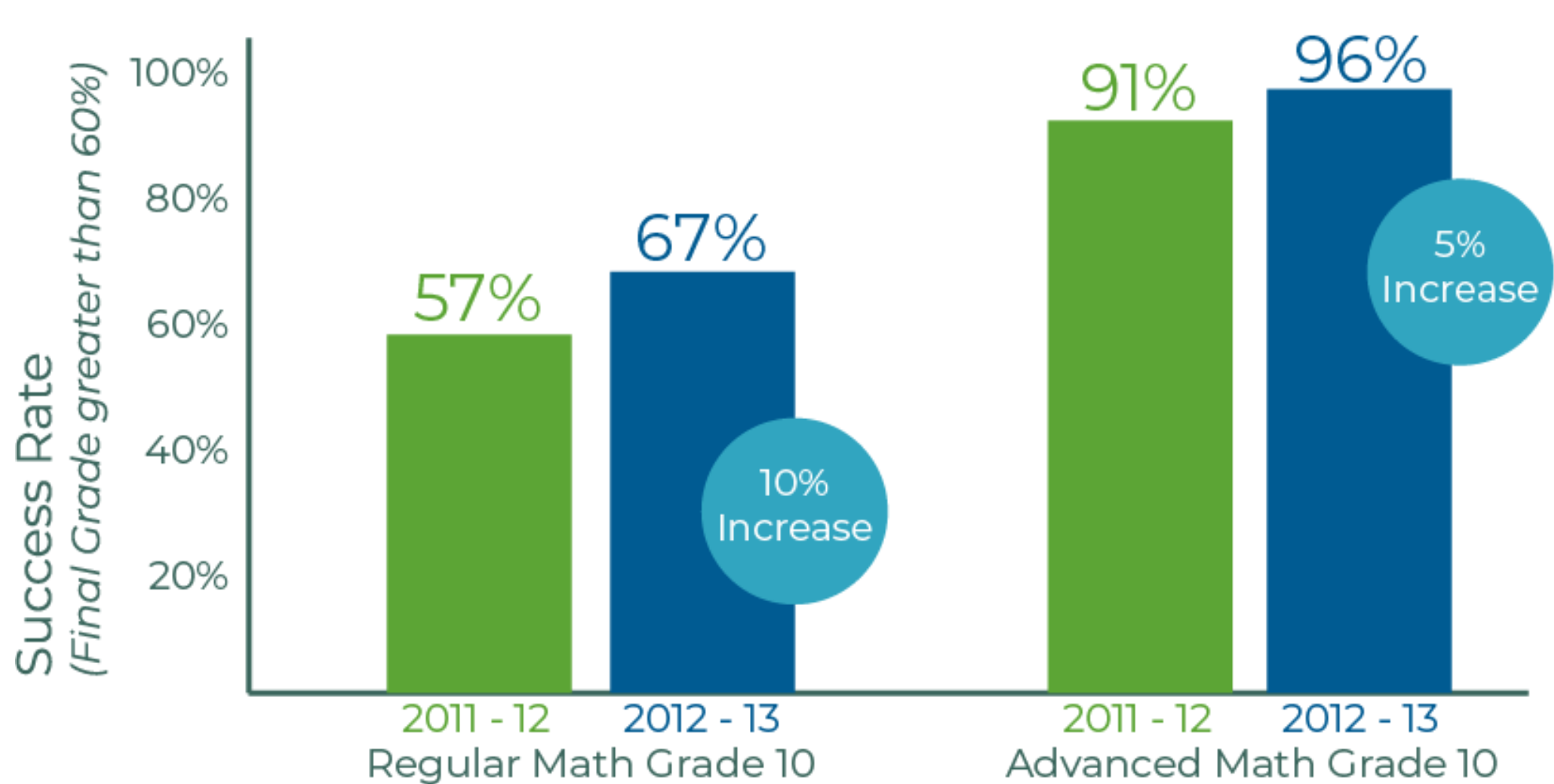


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Registration

School and Course Information

I am a Quebec ...



Grade Level and Course



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