



BE GALILEO

## PERSONALIZED SELF-PACED MATH LEARNING PROGRAM

Awakening the genius in you



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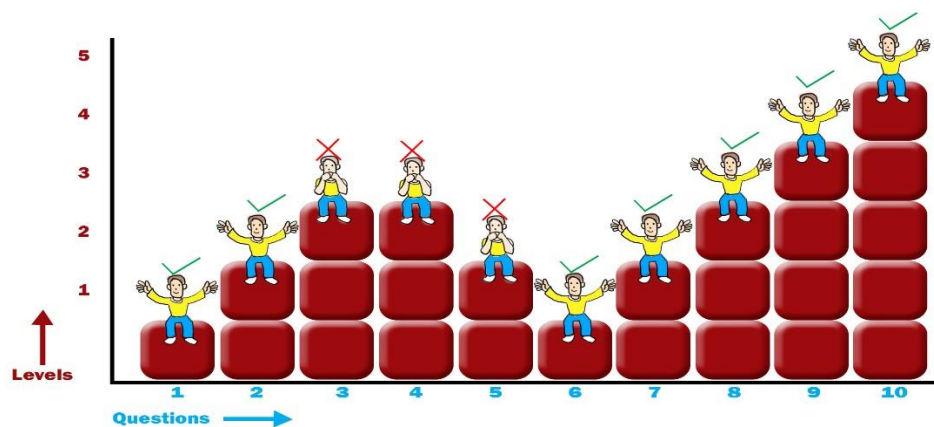


# beGalileo – Self Paced 1-to-1 Personalized Learning platform for Mathematics

The key principle behind beGalileo is, “**Every student can learn, just not on the same day, or the same way.**” - George Evans

**beGalileo is an adaptive and intelligent personalized learning platform** for students to practice and master concepts in Mathematics.

This platform provides a personalized learning plan for each child where he is able to study at his own pace. Using various practice tests, beGalileo effectively identifies areas where the child needs help and provides support in these areas with the help of online lessons. There is a built-in reward system to develop a love for Mathematics among the students.



The platform continuously collects and analyses performance information and utilises its artificial intelligence to decide how best to dynamically serve each student’s pathway of learning – supporting low-ability students to progress as well as challenging the gifted and talented.

Teachers are constantly equipped with real time data and reports to adjust instruction and deliver effective intervention.

Parents can also view the progress of their child online.

# Diagnostic assessment – a first step to beGalileo

Would you go to a doctor who decides a treatment plan before diagnosis? Why then would you let your student's learning plan be decided before a proper diagnosis?

We at beGalileo, strongly believe that it is important to understand where the child stands, and to identify the learning gaps, before he is taken on the journey of learning.

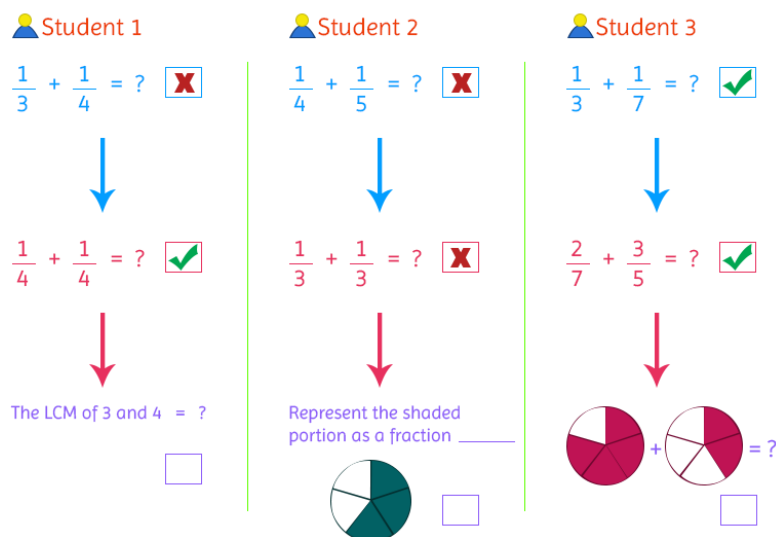
So, the learning journey on beGalileo starts with the child going through a well-defined, scientifically designed and age appropriate diagnostic test called MIDAS which identifies the strengths and learning gaps for each student on all core concepts. A detailed report based on this test is provided to the teacher to help her in setting up an individualized learning path for every child.

## The core working of the platform

beGalileo is designed as a knowledge graph with interconnected concepts granularly divided into smaller sub concepts. Each sub concept then has questions with specific objectives across various knowledge levels.

beGalileo works on an individual child and identifies where the child needs help.

The picture below explains this point.



The students work on a concept at their own pace and the knowledge level of questions, get adjusted automatically based on the student's responses.



## Other Salient Features of beGalileo

The table below lists out key features of beGalileo which will help you decide the suitability of the program for your requirements.

	Feature	Details
1	Number of concepts covered	beGalileo has a comprehensive coverage with over 300 concepts divided across 4 key areas including Numbers and Operations, Algebraic Thinking, Geometry, Data Handling and Measurements
2	Video Lessons	Animated video lessons explaining each concept is available for students to use in class or as flip class
3	Pedagogy in video lessons	The content is designed based on constructivism which encourages students to construct their own knowledge through self-directed learning
4	Support for a large number of question types	beGalileo is a very sophisticated platform supporting a large number of question types including drag and drop, match the following, single response matrix, multi response matrix, cloze, multiple choice etc.
5	Large question bank with multiple knowledge levels	beGalileo question bank has over 25000 questions across various levels of knowledge
6	Support for Math symbols	The system supports all Math symbols and equations.
7	Multiple roles	The system is designed to support multiple roles including student, teacher, school administrator/coordinator and parent
8	Individualized Learning Path	The teacher can create learning paths with for each student or across a group of students or for the entire class
9	Student data	The teacher can add/edit or delete student details including userid, password
10	Student password reset	Only teachers have the ability to reset student passwords.
11	Assignments	Teachers can assign individual assignments for a child or the same assignment to the whole class. The teacher will be able to view the reports for assignment completion in real time with a detailed view for each student.
12	Tests	The teacher can assign online timed tests for the class. She will have an option to set the number of questions across topics and also the level of complexity for each question. The test becomes visible in the student ids at the start time set by the teacher and closes automatically at the end time set. This is a great tool for formative assessments.
13	Reports	The reports are the control center for the teacher. The teachers can view the student reports based on each concept. She can see the common mistakes done by the class and improvement in proficiency for each student as they progress on a concept.



<b>14</b>	Badges	To motivate students to perform better and practice daily, the system has number of features. Each student wins coins when they get a question right or when they show consistent performance. The system then awards them badges based on the coins earned. The students look forward to winning these badges and it is a huge motivator for them to continue working regularly on the system.
<b>15</b>	Rewards	The teacher has an option to set rewards for her class against the coins the students earn on the platform during their practice sessions. Students can send redemption request to the teacher once they get sufficient number of coins to win a reward. The teacher gets notified about the redemption requests and she can then fulfil them.
<b>16</b>	Class Wall	Class wall is a discussion based for the class where the teachers and students can initiate a meaningful discussion. Each student can reply to the discussion thread. The teacher can also post a video or share a link for her students on the wall.
<b>17</b>	Speed Math	A game for the students to compete against the computer or any student by playing speed math across various levels. It helps the students build the skill to do quick mental math.
<b>18</b>	Live class option	This is a very useful option for the teacher to monitor her class from her laptop. When the students are working on beGalileo in the class, the teacher can see on her laptop the performance of each child. She can view in real time the question that each student is currently working on, which questions they got wrong. If any student is continuously making mistakes, the system will alert the teacher to provide 1-on-1 help to that student.
<b>19</b>	Notifications	The student and teacher are notified for all key events like opening of assignment, start of test, reward redemption etc.
<b>20</b>	Flagging of questions by student	While working on a concept if the student finds difficulty in answering a question, the student has an option to flag the question. The teacher gets notified about this and she can then discuss the flagged questions with the student.
<b>21</b>	Parental access	The teacher has an option to provide parents access to the student's performance on beGalileo
<b>22</b>	Support for Mobile	The beGalileo platform is completely responsive and can be used on any device, tablet or smartphone.
<b>23</b>	Can be used as Flip class	The teacher can open up a concept before starting it in the class and the students can watch the video explaining the concept and come prepared for the class. The teacher can also open up concepts which are pre-cursor to the new concept so that students can refresh their knowledge of that before starting the new concept in the class.



24	Sketchpads	The students have a scribble pad to do calculation or rough work while working on a question.
25	Classroom Management	beGalileo has an option for classroom management where teacher can award for positive behaviour like on time work submission, being responsive in class or mark a negative behaviour like bullying so that the student can improve.