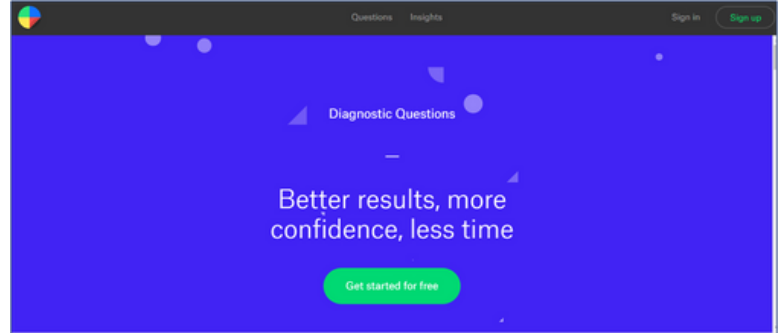




Diagnostic Questions


## DIAGNOSTIC QUESTIONS

<https://diagnosticquestions.com/>




 **CATEGORY:** Action

 **GRADE AND SUBJECT:** Teachers and students of any age.

 **SHORT DESCRIPTION:** It is an assessment tool that provides detailed information on student understanding in a fraction of the time, simultaneously reducing workload and improving student achievement and confidence.


**READING TIME:** 3 minutes  
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 **LEARNING GOALS:** The primary purpose of using this tool is to collect sufficient data on what students already know about a topic. Then, the teacher uses this data to create a realistic roadmap addressing knowledge gaps.

Diagnostic assessments are also helpful for the teacher, as they provide a baseline for teaching. The teacher knows which areas are most important to focus on and which require less attention. Furthermore, they can correct any misconceptions before starting a learning activity.

 **MOMENTS OF NEED OF THE TOOL:** Plan & act upon what they have learned.

 **LEVEL OF DIFFICULTY (RATING) AND AGE LEVEL:** Easy; 0-4, 5-7, 8-10, 11-13, 14-16, 17-18, 19+

 **WHY USE THIS TOOL:** Teachers who use Diagnostic Questions can benefit significantly in understanding how students learn a particular subject, facilitating lesson planning and implementation. In addition, diagnostic assessments make the teaching/learning process more efficient and effective by identifying the content that needs to be taught and learned. It puts students and teachers on the same page and creates a better learning and teaching experience.

 **TOOL DESCRIPTION:** Teachers can create quizzes to get immediate feedback on students' answers in class. They can then project the question on the board and give students 10-30 seconds to think. Then ask them to indicate the answer. There are two main ways to do this. Diagnostic questions work well with all technology. Students can register using their smartphones, tablets, or laptops, allowing you to collect and process their answers and explanations instantly. Alternatively, teachers can ask students to indicate their answers on mini-whiteboards or cards marked A, B, C and D.

 **PREPARATION AND HOW TO USE THE TOOL:** To start using this tool, it is necessary to create a login either as a teacher or student. For more information on how to use this tool, please visit: <https://diagnosticquestions.com/Home/Insights>.

 **RESOURCES NEEDED:** Computer/Notebook – Tablet – Mobile phone – Interactive dashboard

 **ADDITIONAL REFERENCES:**

- <https://diagnosticquestions.com/Learn#/about>
- Mrbartonmaths1, Diagnostic Questions – Pedagogy <https://www.youtube.com/watch?v=Qk61vAgREA8>

 **PROS AND CONS OF USING THE TOOL:**

**PROS**

It helps to link learning outcomes to specific goals and objectives; it creates a rewarding and friendly learning environment for teachers and students; diagnostic assessment enables the teacher to map out a meaningful and effective teaching plan for the course duration; it creates a baseline for future evaluations. At the end of the course, the teacher can compare the students' performance against their level of knowledge at the beginning of the course and record any improvements; the diagnostic assessment allows the teacher to customise teaching. For example, from the data, it is possible to identify students who need additional tutoring on a particular part of a unit or course of study. Similarly, suppose a teacher discovers that a group of students has already mastered much of a unit of study. In that case, they can design activities that allow that group to go beyond the standard syllabus for that topic through independent or small-group study.

**CONS**

They usually require specific training to be reliably administered and assigned; if teachers are not committed, the best results will not be obtained from this process; diagnostic assessments can trigger anxiety in students; they can lead to false inferences about a child's knowledge or abilities in the classroom.

 **TEACHERS' RECOMMENDATION RATE (SCORE):** 4.3/5