

## MATHEMATICAL ETHICS DECISION-MAKING

*by:*

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Although ethics and mathematics might appear to be unrelated topics, ethical decision-making is a crucial part of mathematical education. Students are exposed to different ethical issues, such as honesty, justice, and the proper use of technology, while they work through mathematics problems and concepts. As it develops students' character and integrity and equips them to deal with real-world mathematical problems, educators have a duty to promote ethical decision-making in mathematics courses.

According to Ecole Globale (2020), education places a high value on ethics. The discipline of dealing with right and wrong with dedication and moral obligation is referred to as ethics. Ethics are well-defined standards that define what actions are acceptable and wrong. It is categorized as a special value that incorporates traits like honesty, discipline, and integrity into daily activities. Ethics influence behavior and help a person choose the proper course of action.

The development of students' feeling of accountability and integrity depends on the inclusion of ethical decision-making in mathematical instruction. Students must make decisions in the search of mathematical solutions that may have an impact on their academic integrity and how they treat their peers. Students are better able to understand the moral implications of their acts when ethical concerns are encouraged, which helps them make moral decisions in their academic work.

Discussing moral quandaries openly in math lessons is one strategy to encourage the use of ethics in decision-making. Teachers might provide hypothetical situations that raise moral concerns about data manipulation, collaboration, and plagiarism. Students'

critical thinking regarding the ethical implications of mathematical techniques is fostered by engaging them in reflective discussions on these subjects.

Promoting a growth mentality is also essential for encouraging moral judgment. Resilience and honesty are fostered by teaching learners to see errors as chances for learning rather than as failures. Students who are at ease with making mistakes are more likely to adhere to moral principles and refrain from unethical behaviors like copying solutions or fabricating data.

Discussing ethical issues is made much easier by the inclusion of real-world applications in math education. Students can investigate how mathematical ideas are used in many businesses and professions, increasing their knowledge of the moral dilemmas that potential future professionals might encounter. The ethical implications of mathematical decision-making can be better understood by talking about issues like data privacy, bias in algorithms, and equitable resource distribution.

Mathematical instruction that encourages moral decision-making will benefit students' moral growth in more ways than one. They are more inclined to apply these concepts in other aspects of their lives as they acquire ethical norms in the setting of mathematics. Beyond the arithmetic classroom, ethical decision-making equips students to make moral decisions in their personal, professional, and academic life.

#### *References:*

Ecole Globale (2020). Ethics In Education. Retrieved from <https://www.ecoleglobale.com/blog/ethics-in-education/>