

▲ Research Questions :

- ❖ Does the Subcell Study Method improve understanding of gender?
- ❖ Does it help in learning adjectives effectively?

▲ Results : Students showed clear progress in grammar understanding.

- ❖ Fewer errors in gender and adjective identification.
- ❖ Better retention and application in writing and speech.
- ❖ Average marks improved notably from pre- to post-test.

▲ Observation :

- ❖ Students participated more actively in learning sessions.
- ❖ Both boys and girls improved equally.
- ❖ Confidence and interest in Gujarati grammar increased.

▲ Conclusion : The Subcell Study Method is highly effective for teaching Gujarati grammar.

Breaking lessons into smaller parts improved **understanding, accuracy, and motivation**. Students performed better than before and used grammar rules correctly in written and oral Gujarati.

▲ Suggestions for Future Research :

1. Apply this method to other grammar areas—tense, number, and sentence formation.
2. Test effectiveness in Gujarati and English mediums.
3. Conduct long-term studies to measure retention and performance.



Topic : Effectiveness of Learning among Students in Std. 9 Mathematics Subject regarding Algebraic Formulas through Diagnostic and Remedial Methods

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❖ Focus : Evaluating the effectiveness of diagnostic and remedial teaching methods in improving the understanding of algebraic formulas among Standard 9 students.

❖ Why & How did you Choose the subject :

- Algebra often challenges learners due to abstract concepts and formula-based reasoning.
- Students tended to mechanically memorize formulas, leading to misconceptions and calculation errors.
- The researcher observed that students frequently struggled to recall or correctly apply formulas.

❖ Objectives :

The study aimed to :

- Identify students' common difficulties and misconceptions in algebraic formulas.
- Apply diagnostic testing to determine specific learning gaps.
- Plan and execute remedial teaching using Teaching-Learning Materials (TLMs) and group discussion.
- Measure improvement in learning through post-test evaluation.
- Enhance students' confidence and interest in learning algebra.

❖ What Sample has been selected for the research:-

- Participants : 18 students from Standard 9 (English Medium) at Narayan Vidhyalaya, Bharuch.

