

## Google Classroom as a Tool for Teaching Geometry at VII Grade through Blended Learning Approach

Archana Pandey\*  
Prof. Dhananjai Yadav\*\*

### Abstract

Many global companies have introduced integration of learning management system and have contributed in Education be it Microsoft, Google, Intel. In 2014 Google came up with google classroom, which provides free web services for schools for simplification, creation and distribution of school activities including assignments. Later in 2020 Sharp increase in usage of Google classroom began when schools shifted to remote education during pandemic COVID 19. The present paper focusses on Google classroom as tool for teaching Geometry at VII Grade through Blended Learning Approach. Further, the paper also focusses on features and some functions which can be employed easily for effective implementation of teaching-learning activities.

**Keywords:** Google classroom, Blended Learning, Geometry at VII Grade.

### INTRODUCTION

#### 1.1 The problem statement

MATHEMATICS is composition of Algebra and co-ordinate GEOMETRY at middle school stage. Geometry portion require spatial and visual interpretation of the matter as a whole. Many times 2-dimensions and 3-dimensions images are typical and it's not possible for students to imagine the resultant as expected. Artificial Intelligence can help in such visualization. One of the ways to overcome this teaching-learning related issue is to implement

technology in Geometry parts as their visualization and imagination can bring different learning experiences among students at the very stage.

#### 1.2 Theoretical background

Andreev (2016) conducted a study on didactic bases of learning found that google classroom as free source provides better environment for learning of social geography and civic judgements. His study was conducted on Moscow students. Zaldak (2016) found in his study that google classroom has positive effect on regional and economic diversity in geography of world.

Yurii (2017) revealed that moodle for organic chemistry education and perception has relatively positive gain among experimental students.

Above mentioned studies is a source employing different subjects as part of study. Researcher has chosen this topic as there is lack of full coverage in mathematics branch based subjects.

#### 1.3 Objective of study

To explore Google classroom as tool for teaching Geometry at VII Grade through Blended Learning Approach

To highlight experience and features of google classroom as support for BL approach.

#### Blended learning

Blended Learning approach is a thoughtful implementation of online and face to face approach with digital material,

\*Research Scholar Department of Education, University of Allahabad

\*\*Head, Department of Education, University of Allahabad

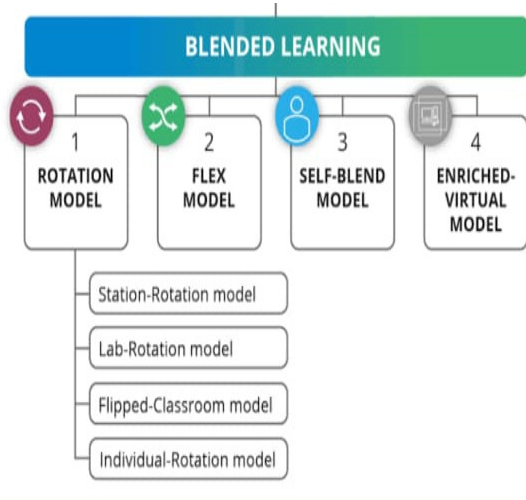
instructions, and assignments. It can be done with several models.

Rotation Model

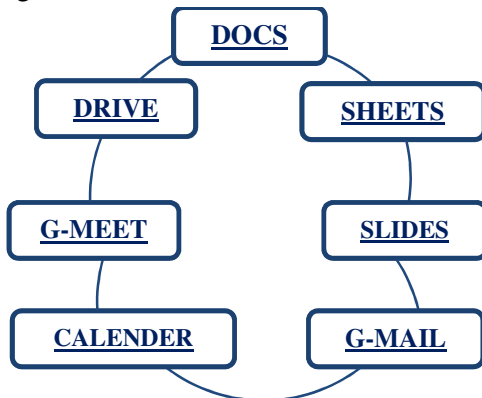
Flex Model

Self Individualized Model

Flipped Approach



**Google classroom** was announced with preview for google’s G-suite for education program. Google classroom integrates cohesive features for providing and managing platforms to students and teachers for communication. Some of the features of G-suite in education that can be utilized in google classroom as shown:



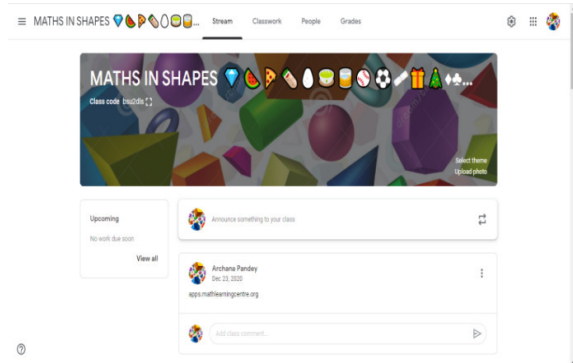
**Feature of google G-suite: Google classroom**

## 2. PRESENTING MAIN CONTENT

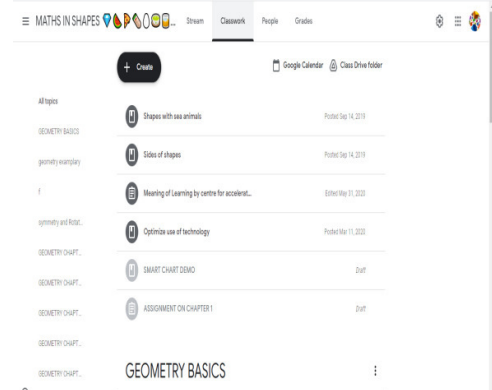
Class made on google classroom.

- a) Stream section includes basic information regarding subjects
- b) Class code is available.
- c) Class announcements can be posted easily.

Links based videos and visual images can be presented easily as it is user friendly and authenticated platform.



## 2. Presentation of chapters using Google classroom



## Conclusion

From the study it can be concluded that exploring Google classroom as tool for teaching Geometry at VII Grade through Blended Learning Approach can be new normal post covid era. Further, study needs to be conducted in highlighting experience

and features of google classroom as support for BL approach.

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