

Lesson Plan for S3

TOPIC : **COORDINATE GEOMETRY**

Class Length: 50 minutes

Objectives of the Lesson

1. Students are able to identify the coordinates of a point on a plane.
2. Students can calculate the distance and midpoint between two points.

Lesson preparation items:

1. Lesson slides (provided)
2. Create classroom [YoTeach!](#) backchannel chatroom
 - a. E.g.: <https://yoteachapp.com/SSMATH20>, password: apple
3. Prepare Realtimeboard with coordinate plane and boat stickers
 - a. E.g.: https://realtimeboard.com/app/board/o9J_kyEef9c=/
4. Setup [Badaboom!](#) game quiz
 - a. Question folder ID: [folder_5e7c114a3b71540017c86c90](#)

Lesson Stage	Content / Topic	Activity / Tool	Class / Group / Individuals	Time
Engage student interests	x-y axis	Realtimeboard: To ask students to place their boat stickers on the coordinates	Groups	10 minutes
Introduce and discuss concepts	Cartesian plane, distance formula and midpoint formula	Lesson Slides: Coordinate Geometry	Class	20 minutes
Apply and review of concepts	Coordinate geometry questions	Badaboom: To check students' understanding with interactive questions Realtimeboard: Students who answer a correct question in Badaboom can attack other students' boats	Groups	15 minutes
Self-reflect on lesson		YoTeach: Students to write or type what they have learnt	Individuals	5 minutes