NAVIGATOR

*I encourage **precise thinking** – and am always <u>considering</u> and <u>exposing</u> the innerworkings and deeper meaning of mathematical problems and situations.*

Who am I?

You are an organized big-picture thinker. Even in the middle of chaos and busyness, you have a remarkable way of developing a clear vision of where your team is headed. You excel at creating a web of many different ideas and understanding how they are all related. You always make sure that your team stays focused on the task at hand and does not talk to other teams unless instructed to do so. Your top priorities are connectivity and precision. You skillfully separate extraneous details from the ones that matter as you drive your team's forward momentum. You would never dream of giving up before you reach your end goal because you know that confusion, frustration, and dead ends are inevitable and necessary parts of working through challenging tasks.

It is my job to ...

Make sure my team stays focused on the task at hand

Develop and maintain a coherent vision of our team's ultimate goal

Model and encourage the use of mathematically precise language

Introduce and facilitate discussion about how concepts and quantities are related

Practice moving our team through moments of frustration as they arise, because reasoning through mathematical problems is a complex and messy process

Check my team's calculations and visual representations for accuracy

Work closely with my team's Ambassador to ensure our team is working together in an organized and logical manner

I ask questions like ...

Which information is most important for our chosen solution pathway?

What do these quantities represent and how do we know this is true?

What does this [symbol, diagram, equation] mean to us?

How is _____ related to _____?

Is there a more precise mathematical term or symbol we could use for _____?

How do we know our solution pathway is mathematically reasonable?

MATHEMATICAL PRACTICES

MP 2 *Reason abstractly and quantitatively.*

MP 6 *Attend to precision.*