Mr. Cratic
Grade 6

<center>Prime Factorization "Walk Through Plan"</center>

Before:

- Teacher will begin by introducing prime factorization to students.
- Teacher will explain to students that prime factorization consists of two ways: "Factor Trees and Repeated Division."
- Teacher will first teach factor trees, as well as introduce new vocabulary words for the lesson.
- During the lesson, it is very important for teacher to check the understanding of students.

Questions that teacher will ask students during the lesson:

- *What is a factor tree?   What is a prime number?   What is a composite number?*
- Students will work on a worksheet. After they have finished, teacher will review to check for understanding.
- Teacher will introduce the speaking task to students and help them with their pronunciation. Students will practice speaking with their partners.
- Teacher will then provide a final review of class and prepare for dismissal.

After:

- Teacher will review vocabulary words and practice factor trees to ensure that all students understand before introducing the next task.
- Teacher will have students practice identifying prime and composite numbers with an activity.
- Teacher will then introduce repeated division.
- During the lesson, it is very important for teacher to check the understanding of students.

Questions that teacher will ask students during the lesson:

- *What is a factor tree? What is repeated division?*
  Advanced: *How are they different? How are they similar/same?*
  What is a prime number? How do you know? / Why?
  What is a composite number? How do you know? / Why?
- Students will work on a worksheet. After they have finished, teacher will review to check for understanding.
- Teacher will introduce the speaking task to students and help them with their pronunciation. Students will practice speaking with their partners.
- Teacher will then provide a final review of class and prepare for dismissal.