In this module's discussion board assignment, research “primary and foreign keys” and summarize your findings. In your writing be sure to answer:

1. What are they?
2. How are they used?
3. Why are they used?

In a relational database, a primary key is used to uniquely identify a row in a table. When dealing with rows that represent people, think of something like a social security number that uniquely identifies a person. A student may have a student number, like your Bellevue ID number, or it could be something totally unrelated to the actual data itself that acts like a unique identifier – a GUID or simply the number of rows that have been inserted before this one. It is useful to be able to uniquely identify a given entry in a table to be able to differentiate between records. It is entirely possible that there will be two students in a school with the same name, so there must be a way (student ID number) to programmatically tell the difference between them when accessing or storing information about them.

That’s where foreign keys come into play, as well. A foreign key is a key in a table that relates to a row in a different table. This foreign key is often a primary key in the different table. So, if there was a table for a course in a school, there may be a foreign key for the student ID primary key of a students table. Foreign keys are basically what makes relational databases…relational.

https://www.geeksforgeeks.org/difference-between-primary-key-and-foreign-key/