Triple Beam Balance

NYS Common Core Learning Standards: Mathematics
3.MD.3
4.NBT.4
6.NS.3

Students will:
- Recall, identify and define key vocabulary and parts of the triple beam balance.
- Apply knowledge and skills of a triple beam balance to accurately measure the mass of objects.
- Analyze, estimate and compare measurements of various objects.
- Record data in a chart/graph.

IEP Goals:

Study Skills:
- If distracted, will refocus when prompted and attend to the assigned activity
- Seek out appropriate assistance

Social/Emotional/Behavioral:
- Communicate and interact in a socially acceptable manner with peers
- Remain on task, verbally express frustrations or displeasure
- Will follow directions 2x daily, hand in all assignments on time daily, and interact positively with peers
- Communicate and interact in a socially acceptable manner with peers

Materials:
- Worksheet
- Triple Beam Balance
- Pen/Pencil
- Bag of Objects to measure
- Construction Paper

Procedure:
- Introduction: A triple beam balance will be displayed in front of the class. Students will then be given directions to choose a piece of paper out of a basket. On their piece of paper there will be a part of the triple beam balance, which they will then be asked to individually come up and tape their paper to the correct part of the triple beam balance on display. Class discussion and review of vocabulary terms.
- Presentation: Class discussion/Modeling: How do we properly care and use the triple beam balance? Model and discuss with the students the correct care and use.
- Distribute and explain worksheets and materials needed and divide students into groups
- Students will work in groups to complete the worksheet, which requires them to apply knowledge and skills of the triple beam balance and measuring the mass of objects.
  Differentiation of Process: “You Must/You May”
- Closure: Share and review of findings and measurements. Class Summary: Why is knowing how to measure and use triple beam balances important? What about graphs?
- Evaluation/ Assessment: Worksheets and student work will be collected and evaluated by teacher.