**I can sort 3-D shapes using two attributes and explain my sorting rule.**

***Teacher Expectations***

**Step 1- Write the above I can statement in your learning target section of your board**

**Step 2- On your smartboard software Or on your projector or on the whiteboard display the 3D shapes poster below.**

**Step 3- Explain that an attribute is a way to describe something. With a bin of 3-D shapes dump them out, hand each student a 3-D shape. THEN have them find a partner that has an attribute that is the same (same number of vertices, same number of edges, same number of faces etc.) Have the students say one way you could sort the shapes and then sort them based on that attribute (ie: colour, size, how many corners, how many sides etc…)**

**Step 4- Once students have sorted the shapes on the poster tell them they are going to get a set of 3-D objects and that they will sort with a partner. At our school we store the attribute blocks in a common area and they look like this.**



**Remind students that manipulatives are not for playing they are for learning. If they are playing rather then learning they will sit in the time out spot and watch for expected behaviours. They will share the behaviours they noticed at share time and complete the activity at recess time.**

**Step 6- Have students sort the attribute blocks based on their own sorting rule using at least 2 attributes (ie: number of corners and numbers of faces).**

**Step 7- Have students take a picture of their sort in an App such as picCollage have them write their sorting rule, then have the students show you their sort.**

**Student Check List**

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| --- | --- | --- | --- | --- |
| Student  Names | Sorted shapes based on 2 attributes could explain sorting rule(A) | Sorted shapes based on 1 attributes could explain sorting rule(B) | Sorted shapes but could not name their sorting rule (C) | Did not sort shapes  (D) |
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