Joyce.Woodhouse@sen.state.nv.us; Elliot.Anderson@asm.state.nv.us; Moises.Denis@sen.state.nv.us; Aaron.Ford@sen.state.nv.us; Scott.Hammond@sen.state.nv.us; Marilyn.DonderoLoop@asm.state.nv.us; Harvey.Munford@asm.state.nv.us; Lynn.Stewart@asm.state.nv.us

March 26, 2014

To the Legislative Committee on Education,

I would like to voice my opinion that Nevada should withdraw from the Core Standards and the national testing.

The Mathematics Standards require curriculum that is unnecessarily complicated and restrictive. Our schools are not teaching the touch point system where the student would touch the 3 at the top, middle and bottom to add the 3 to the 45. Instead, they are using other symbols to represent groups of 10 and ones; then the student has to add each group.

Students aren't allowed to borrow, instead they regroup so they only add numbers. On the left hand we borrowed from the 3 to create 12 with the 2. That is a simple two step process rather than the more complicated 4 steps required by Common Core math, shown on the right.

$$\begin{array}{r}
32 \\
-9 \\
23
\end{array}
\qquad
\begin{array}{r}
32-9=\\
9+1=10\\
10+20=30\\
\underline{30+2=32}\\
23
\end{array}$$

If a student solved the equation and got the correct answer, they would receive credit only if the Common Core method was used (hence the reason I call Common Core Math restrictive).

First graders are being taught Pre-Algebra concepts but Seventh graders are not allowed to take Algebra. The examples in the Geometry textbook at Elko High School end in question marks rather than numbers, which doesn't help the students understand the method of solving the problems.

These are just a few concrete examples of the problems with the Common Core Mathematics Standards. Please help Nevada withdraw from the Common Core Standards. Thank you for your attention to this problem.

Sincerely,

Christy Armbruster MD 775-777-1917 B. S. Chemical Engineering