



Republic of the Philippines
Department of Education
 REGION I
 SCHOOLS DIVISION OF VIGAN CITY

DIVISION MEMORANDUM

No. 749, s. 2025

**DIVISIONWIDE UTILIZATION OF LOCALLY DEVELOPED MANIPULATIVE
 IN SENIOR HIGH SCHOOL CHEMISTRY**

To: Assistant Schools Division Superintendent
 Chief Education Supervisors (CID and SGOD)
 School Head, Ilocos Sur National High School
 All Others Concerned

1. The Implementing Rules and Regulations (IRR) of Republic Act 10533 or the Enhanced Basic Education Act of 2023, specifically Rule II Curriculum, Section 10: Basic Education Curriculum Development, particularly subsection 10.3 Production and Development of Materials states that "the production and development of locally produced teaching and learning materials shall be encouraged. The approval of these materials shall be devolved to the regional and division education units in accordance with national policies and standards."

2. This Office is pleased to announce that a Manipulative titled "Quantumn Uno Card Game" was developed by **Mr. Edward Henry M. Caoile**, Teacher II of Ilocos Sur National High School. This aimed to make the abstract concept of quantum numbers more engaging, interactive, and easier to recall. Further, a very favorable report on the utilization including feedback from learners, teachers and other concerned personnel was submitted to this Office. The manipulative has been found compliant and is recommended for utilization in the division.

3. Anent this, teachers at senior high school handling Chemistry are encouraged to utilize the said manipulative in the delivery of their lessons. A copy of the manipulative is available for borrowing at the SDO Library.

4. For any feedback regarding this material, please email lrmds.vigancity@deped.gov.ph.

5. For information and guidance.

VILMA D. EDA, CESO V
 Schools Division Superintendent

Encl: none
 Reference: As stated
 To be indicated in the Perpetual Index
 Under the following subjects:
 Learning Resources

