



Republic of the Philippines  
Department of Education  
Region III  
**SCHOOLS DIVISION OF BULACAN**

January 25, 2023

DIVISION MEMORANDUM  
No. 025 s. 2023

**DIVISION WIDE SIMULTANEOUS CASCADING OF DESIGN THINKING IN  
SCIENCE AND MATHEMATICS TEACHING**

To: Public Schools District Supervisors  
Public Elementary and Secondary School Heads  
District Science Advisers and Coordinators  
District Mathematics Advisers and Coordinators  
All Others Concerned

1. The Division wide simultaneous Cascading of Design Thinking in Science and Mathematics teaching is an offshoot of the division training held last November 25-27, 2022. The seminar-workshop will be conducted via face-to-face and/or hybrid modalities for one whole day on February 17, 2023 at their respective stations.
2. The training aims to:
  - a. provide opportunities to the K to 12 Science and Mathematics teachers in design - thinking as a process in problem-solving or in product design.
  - b. to upskill the participants on principles of design thinking as an innovative way of teaching problem-solving to enhance the higher-order thinking skills of learners.
3. Science and Mathematics coordinators and teachers are the participants in key stages 1 to 4. They are required to bring a laptop and relevant teaching resources.
4. The modality of the cascading will have two options:

**Option A-** District-level face-to-face (cascading if possible, especially at the elementary level)

**Option B-** Hybrid cascading (especially at the secondary level)
5. One or two municipalities may work together for the secondary level if necessary:

Calumpit and Pulilan	San Idefonso and San Rafael
Paombong and Hagonoy	Norzagaray and Angat
Bulakan and Obando	Sta. Maria and Pandi
Baliuag, Plaridel and Bustos	Marilao and Bocaue
DRT and San Miguel	Balagtas and Guiguinto
6. The participants of the division seminar will serve as resource speakers and technical working group.
7. School Heads are reminded of DepEd Order No. 9, s. 2015, Instituting Measure to Increase Engaged Time on Task and Ensuring Compliance Therewith. Classes of participants must not be disrupted and there must be substitutes to those teachers attending the activity.
8. This Memorandum serves as the travel authority of the participants. Incidental Expenses to be incurred in the conduct of this activity shall be charged against local funds, subject to the usual accounting, auditing rules and regulations.
9. Immediate and wide dissemination of this Memorandum is earnestly desired.

**ROWENA T. QUIAMBAO, CESE**

Assistant Schools Division Superintendent  
OIC - Office of the Schools Division Superintendent



Republic of the Philippines  
Department of Education  
Region III  
**SCHOOLS DIVISION OF BULACAN**

January 25, 2023

DIVISION MEMORANDUM

No. 025 s. 2023

**DIVISION WIDE SIMULTANEOUS CASCADING OF DESIGN THINKING IN  
SCIENCE AND MATHEMATICS TEACHING**

To: Public Schools District Supervisors  
Public Elementary and Secondary School Heads  
District Science Advisers and Coordinators  
District Mathematics Advisers and Coordinators  
All Others Concerned

1. The Division wide simultaneous Cascading of Design Thinking in Science and Mathematics teaching is an offshoot of the division training held last November 25-27, 2022. The seminar-workshop will be conducted via face-to-face and/or hybrid modalities for at least one whole day or two days in the afternoon from February 6-8, 2023 at their respective stations.
2. The training aims to:
  - a. provide opportunities to the K to 12 Science and Mathematics teachers in design - thinking as a process in problem-solving or in product design.
  - b. to upskill the participants on principles of design thinking as an innovative way of teaching problem-solving to enhance the higher-order thinking skills of learners.
3. Science and Mathematics coordinators and teachers are the participants in key stages 1 to 4. They are required to bring a laptop and relevant teaching resources.
4. The modality of the cascading will have two options:

**Option A-** District-level face-to-face (cascading if possible, especially at the elementary level)

**Option B-** Hybrid cascading (especially at the secondary level)
5. One or two municipalities may work together for the secondary level if necessary:

Calumpit and Pulilan	San Ildefonso and San Rafael
Paombong and Hagonoy	Norzagaray and Angat
Bulakan and Obando	Sta. Maria and Pandi
Baliuag, Plaridel and Bustos	Marilao and Bocaue
DRT and San Miguel	Balagtas and Guiguinto
6. The participants of the division seminar will serve as resource speakers and technical working group.
7. This Memorandum serves as the travel authority of the participants. Incidental Expenses to be incurred in the conduct of this activity shall be charged against local funds, subject to the usual accounting, auditing rules and regulations.
8. Immediate and wide dissemination of this Memorandum is earnestly desired.

**ROWENA T. QUIAMBAO, CESE**

Assistant Schools Division Superintendent  
OIC- Office of the Schools Division Superintendent