



Republic of the Philippines
Department of Education
Region V
SCHOOLS DIVISION OF SORSOGON

September 27, 2024

DIVISION MEMORANDUM
No. 222 s. 2024

**DIVISION SCIENCE AND TECHNOLOGY FAIR (DSTF)
AND ROBOTICS OLYMPICS FOR SCHOOL YEAR 2024- 2025**

To: Assistant Schools Division Superintendent
CID and SGOD Chiefs
Education Program Supervisors/ Division Coordinators
Public Schools District Supervisors/ OIC-PSDSs
Secondary School Heads of Public and Private Schools
All Others Concerned

1. In its effort to support the **DepEd MATATAG Agenda** of making the curriculum relevant to produce competent, active, and responsible citizens, and the SDO-Sorsogon Superintendent's Division Change Plan/ Leadership Agenda, **The VILLAGE, INC** which is a proactive mechanism engaging active partners to provide quality and relevant education for school children, and pursuant to Regional Memorandum No. 1019, s. 2024 Re: Regional Science and Technology Fair and Robotics Olympics for SY 2024-2025, this Office is spearheading a significant activity that promotes science and technology consciousness and develop culture of science research and innovation among learners through the conduct of the **Division Science and Technology Fair and Robotics Olympics for SY 2024-2025** on the following dates and venues:

| Level | Date | Venue |
|-----------|-------------------------------------|--|
| Division | October 9-11, 2024 (for Secondary) | Gubat National High School |
| Division | November 7-8, 2024 (for Elementary) | Casiguran Central School |
| Municipal | October 30, 2024 | To be identified by the concerned district/s |
| District | October 25, 2024 | |

*** For the events in elementary, only the declared first place winner in the municipality shall be allowed to participate in the DSTF.*



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2. This year's fair themed "**Towards a Shared Vision: Exploring the Future for a Better Tomorrow**", will continue to nurture and elevate learners' research, innovation, and creativity. It offers a vibrant platform for students to showcase their talents and accomplishments in science, mathematics, robotics and research. The event also fosters forward-thinking, encouraging collaboration and the exchange of ideas to address global challenges, emphasizing the importance of shared responsibility and actionable steps in achieving long-term sustainable goals.

3. The following are the events, and the code/ format (to be indicated in the cover page/ folder) shall be used in the submission of entries in the Division:

| No. | Event/ Category Code | |
|-----|--|---------------------------------|
| | For Secondary: | Event Code |
| 1 | Life Science (Individual/ Team) | LS-I- School LS-T- School |
| 2 | Physical Science (Individual/ Team) | PS-I-School PS-T-School |
| 3 | Science Innovation Expo (Individual/ Team) | SIE-I-School SIE-T-School |
| 4 | Robotics and Intelligent Machines (Individual/ Team) | RIM-I-School RIM-T-School |
| 5 | Mathematics and Computational Science (Individual/ Team) | MCS-I-School MCS-T-School |
| 6 | Science Innovation Expo (Individual/ Team) | SIE- I-School SIE-T-School |
| 7 | Robotics Olympics_ Line Follower Robot (JHS) | |
| 8 | Robotics Olympics_ Maze Solving Mission (SHS) | |
| 9 | Robotics Olympics_ Maze Solving Mission (Teachers) | |
| 10 | Science Magic Show (STE/STEM) | |
| | For Elementary: | |
| 11 | Science Smart Kid (Grades 1-3) | |
| 12 | Odyssey of the Mind (Grades 4-6) | |

* Color-coded folders must also be observed.

4. The Division Science and Technology Fair (DSTF) and Robotics Olympics for SY 2024-2025 shall adopt the guidelines and mechanics of the different events stipulated in the Regional Memorandum No. 1019, s. 2024. The School/Division/Regional and National Science and Technology Fair Handbook issued by the Central Office shall also be used as reference for the research projects.

5. Official list of participants/ registration form, accomplished entry form, and 3 sets (hardcopies) of the research project write-up and the required forms/ documents (as indicated in RM No. 1019, s. 2024) shall be submitted not later than **October 4, 2024** (morning only) to the CID Office, c/o Science EPS Michelle H. Guadamor. **Late submission of entries will no longer be accepted** as research papers will be distributed to the DSRC/ BOJ in the afternoon of the same date for paper review/ evaluation.

6. **Cliniquing/ Coaching & Finalization of Research Paper/ Project Writeup shall be conducted on October 14-15 & 18, 2024** at a venue to be determined later. Corresponding technical assistance on checking all ISEF forms and documents required for submission to the Regional Office shall be done by the Division EPSs concerned and members of the DSRC. **Submission of Division entries for the Regional Scientific Review Committee Paper evaluation shall be on or before October 21, 2024.**
7. The members of the Division Scientific Review Committee (DSRC)/ BOJ who shall be reviewing/ evaluating the research paper/project writeup and other required forms/documents on October 5-6, 2024 shall be given 3 days service credit/ COC for services rendered relative to the conduct of this activity.
8. There shall be no registration fee. However, the meals, transportation and other expenses to be incurred relative to the conduct of the said activity including those in the district and municipal level shall be charged against the school MOOE/ local funds, while meals and supplies/ materials of the Division SRC/ board of judges and contest facilitators shall be charged against Division MOOE/ NLC funds subject to the usual accounting and auditing rules and regulations.
9. For information, guidance and wide dissemination.


WILLIAM E. GANDO, CESO VI
Schools Division Superintendent



Republic of the Philippines
Department of Education
Region V
SCHOOLS DIVISION OF SORSOGON

Enclosure 1 to Division Memorandum No. 222, s. 2024

**DIVISION SCIENCE AND TECHNOLOGY FAIR (DSTF) AND ROBOTICS OLYMPICS
FOR SCHOOL YEAR 2024-2025**

October 9-11, 2024 (Secondary Level)/ Gubat NHS
November 7-8, 2024 (Elementary Level)/ Casiguran CS

SCHEDULE OF ACTIVITIES

For Secondary:

| | October 9, 2024 | October 10, 2024 | October 11, 2024 |
|------------|---|--|--------------------------------------|
| 7:30- 8:30 | Registration | Preliminaries | Preliminaries |
| 8:30-12:00 | Opening Program/ Contest Orientation | Science and Innovation Expo (Ind./ Team) | Cont. Science and Innovation Expo |
| 1:00- 5:00 | Life Science (Ind./ Team) | Cont. Life Science | Science Magic Show- STE/ STEM |
| | Physical/ Applied Science (Ind./ Team) | Cont. Physical/ Applied Science | Closing Program/ Awarding |
| | Mathematics and Computational Science (Ind./Team) | Cont. Mathematics and Computational Science | |
| | Robotics and Intelligent Machines (Ind./ Team) | Cont. Robotics and Intelligent Machines | |
| | Line Following Robot Maze Solving Robot (SHS) | Maze Solving Robot (Teacher) | |

For Elementary:

| | November 7, 2024 | November 8, 2024 |
|-------------|---|---------------------------|
| 7:30- 9:00 | Registration | |
| 9:00- 10:00 | Opening Program/ Contest Orientation | Cont. Odyssey of the Mind |
| 10:00-12:00 | Science Smart Kid | Tabulation of Results |
| 1:00- 5:00 | Odyssey of the Mind | Closing Program/ Awarding |



Republic of the Philippines
Department of Education
 Region V
SCHOOLS DIVISION OF SORSOGON

Enclosure 2 to Division Memorandum No. 222, s. 2024

DIVISION SCIENCE AND TECHNOLOGY FAIR AND ROBOTICS OLYMPICS FOR SCHOOL YEAR 2024-2025

October 9-11, 2024 (Secondary Level)/ Gubat NHS
 November 7-8, 2024 (Elementary Level)/ Casiguran CS

DIVISION SCIENTIFIC REVIEW COMMITTEE/ BOARD OF JUDGES/ CONTEST FACILITATORS/ TWG

A. DIVISION SCIENTIFIC REVIEW COMMITTEE/ BOARD OF JUDGES/TWG

| No. | Events | Division Scientific Review Committee (DSRC)/ BOJ/ Contest Facilitators/ TWG | |
|-----|---|--|---|
| | | DSRC/ BOJ | Contest Facilitators/ TWG |
| 1 | Life Science (Grade 9-12)- Individual | Kevin H. Ojos- SHS Teacher, Lajong NHS | Grazielle R. Tan- MT-III/ STEM SGH, Gallanosa |
| 2 | Life Science (Grade 9-12)- Team | Hilger O. Tarraya- School Head, San Juan NHS Mary Jeane B. Castillo- Principal, Prieto Diaz NHS | Gary M. De Luna- STEM SGH, Magallanes NVS |
| 3 | Physical Science (Grade 9-12)- Individual | Joland L. Dellomas- Principal, Butag NHS | Joan Peñaiba- Science Coord., Castilla NHS |
| 4 | Physical Science (Grade 9-12)-Team | Michael G. Oseo- Principal, Magallanes NVHS Rolan G. Nedia- Principal, Manlabong NHS Kristoffer R. Pura- Principal, Bacolod HS | Arian G. Granado- STEM SGH, Butan NHS |
| 5 | Robotics and Intelligent Machines (Grade 9-12) - Individual | Salvador B. Belen Jr.- PDO, LRMS Rodel E. Pancho- EPS, TLE Johny J. So- EPS, ALS | Edwin Mallorca Jr.- STEM SGH, Dinapa NHS Jean Antonio- STEM SGH, Bulusan NHS |
| 6 | Robotics and Intelligent Machines (Grade 9-12) - Team | Dennis A. Mataverde- Principal, Palanas NHS | |



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DIVISION SCIENCE AND TECHNOLOGY FAIR AND ROBOTICS OLYMPICS FOR SCHOOL YEAR 2024-2025

October 9-11, 2024 (Secondary Level)/ Gubat NHS
November 7-8, 2024 (Elementary Level)/ Casiguran CS

DIVISION SCIENTIFIC REVIEW COMMITTEE/ BOARD OF JUDGES/ CONTEST FACILITATORS/ TWG

| | | | |
|----|--|---|---|
| 7 | Mathematics and Computational Science (Grade 9-12)- Individual | Nerissa A. Funelas- HT-III, Casiguran TVS Edna G. Fajardo- Principal I, Bagacay NHS Jerry G. Firmanes- EPS, Mathematics | Lowel Andrian M. Solayao, MT-II/ STEM SGH Alberto V. Espenida- MT-I/STEM SGH, PDNHS Ivy Gigantone, MT-II STEM SGH, Matnog NHS |
| 8 | Mathematics and Computational Science (Grade 9-12)- Team | | |
| 9 | Science Innovation Expo (Grade 9-12)- Individual | Juvy Garduque- Principal, Louella G. Alcoba NHS Jocelyn Grace H. Dob- P-I, San Rafael NHS Michelle H. Guadamor- EPS, Science | Helena G. Glna- Science Coord., Bulan NHS Argelyn D. Samson, Cumadcad NHS |
| 10 | Science Innovation Expo (Grade 9-12)- Team | | |
| 11 | Line Following Robot (JHS) | Gilbert Ian Z. Apostol- EPS, LRMS | Rae John Arango- Bulan NHS |
| 12 | Maze Solving Robot (SHS) | Glendo C. Claudio- Principal | Jeriel G. Martirez- Bulan NHS |
| 13 | Maze Solving Robot (Teachers) | Nicanor P. Bailon- EPS, ALS Sean M. Argote- Principal, Gogon HS | Ronald L. Lomerio- MT-II, Donsol NCHS Allan D. Fuaso- HT-III, Bulusan NHS |
| 14 | Science Magic Show- STE/ STEM | Maricel M. Dineros, EPS-English Jerry G. Firmanes, EPS-Math Hilger O. Tarraya- School Head, San Juan NHS Michael G. Oseo- Principal, Magallanes NVS Dennis A. Mataverde- Principal, Palanas NHS | Edwin C. Valin- HT-III, Talaonga NHS Francisco Alim Jr.- HT-III- Donsol NCHS Jaime G. Espuellas-MT-II/ Science Coord.SMNHS Ronald Desulo- MT-II / STEM SGH, Gubat NHS |
| 15 | Science Smart Kid (KS1/ Grade 1-3) | Maricel M. Dineros, EPS-English Jerry G. Firmanes, EPS-Math Dolores E. Endraca- HT V, Gubat NHS Hannah F. Evasco, HT-III- Barcelona NCHS Ryan Desabayla, HT-III, Juban NHS | Larry Pedrosa- Casay ES Division Officers in Elementary Science/ District Science Coordinators |
| 16 | Odyssey of the Mind (KS 2/ Grade 4-6) | Rowena C. De Leon- HT III, Gallanosa NHS Danely A. Vales- HT-III, Cumadcad NHS Rosalia H. Jaylo- HT-III, Casiguran TVS Ma. Cristina V. Grefaldo, HT-III, Juban NHS Cynthia B. Clete- HT-III, Magallanes NHS Jasmin P. Nacion- HT-III, Matnog NHS | Jocelyn A. Gueta- MT-II/ STEM SGH, CTVS Rose Anne T. Caballera- MT-II/ STE Coord., CTVS Jean D. Uson, HT-III- Prieto Diaz NHS Ruby T. Gonzales- MT-II/STEM SGH, Salvacion NHS |



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B. CONTEST FACILITATORS/ TWG

| | | |
|---|--|--|
| <p>Registration & Attendance: Agnes H. Enorme Mary Grace E. Bugna Grace E. Eresmas Katherine G. Firmanes</p> | <p>Documentation: Sheryl Esmeña Chairen P. Estargo Ailyn Ereño Muklat Production</p> | <p>Overall Co- Chairpersons (Elem) Anabelle H. Diaz P-II, Casiguran CS Ferdinand E. Hamor OIC-PSDS, Casiguran District</p> |
| <p>Communication/Program – Emcee: Josephine E. Pura Kristine E. Sarmiento Elizabeth G. Enano</p> | <p>Awards/ Certificates Welimen C. Oseo- HT VI, Bulan NHS Dolores E. Endraca- HT IV, Gubat NHS Rowena C. De Leon-HT III, Gallanosa NHS Jocelyn A. Gueta- MT-II/ STEM SGH, CTVS Hannah F. Evasco- HT-III, Barcelona NCHS Rose Anne T. Caballera- MT-I/ STE Coord. CTVS Maria Charlene D. Dipad- MT-II/ ASP designate, Bulan NHS</p> | <p>Overall Co- Chairpersons (Secondary): Dolores E. Endraca HT V-Science, Gubat NHS Ave E. Mendizabal Principal- III, Gubat NHS Noel M. Agnote PSDS, Gubat North District</p> |
| <p>IT Services: Arvin Esmeña Ferdinand Nebreja Juniver Amor</p> | <p>Tabulation/ Consolidation of Results: Michelle H. Guadamor Jerry G. Firmanes Jocelyn Grace H. Dob</p> | |
| <p>Hall Preparation/Sound System Arian E. Bemoro Joebert Escultura Jordan T. Añonuevo Jericho Las Piñas Matthew Mojica Rico Panierno Joseph Sacil</p> | <p>School Working Committees/ Ways & Means: Ronald Desulo Dolores E. Endraca Gubat NHS Personnel Casiguran CS Personnel District Science Coordinators</p> | |
| <p>Overall Chairpersons: Jerry G. Firmanes- EPS, Mathematics Michelle H. Guadamor- EPS, Science/ STEM</p> <p>DIVISION SCIENCE AND TECHNOLOGY FAIR AND ROBOTICS OLYMPICS FOR SCHOOL YEAR 2024-2025 October 9-11, 2024 (Secondary Level)/ Gubat NHS November 7-8, 2024 (Elementary Level)/ Casiguran CS</p> | | |





Republic of the Philippines
Department of Education
 Region V
SCHOOLS DIVISION OF SORSOGON

**OFFICIAL ENTRY IN THE DIVISION SCIENCE AND TECHNOLOGY FAIR (DSTF) AND ROBOTICS OLYMPICS
 IN THE SECONDARY LEVEL FOR SY 2024-2025**

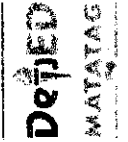
School: _____ District: _____
 School Head: _____ PSDS: _____

| Event/ Category | Name of Researcher/ Contestant (First Name, MI, Last Name) | Grade Level | Title of Research/ Innovation | Coach |
|------------------|---|-------------|-------------------------------|-------|
| Life Science | Individual | | | |
| | Team | | | |
| Physical Science | Individual | | | |
| | Team | | | |

Note: Please don't change or delete cell. Just leave it blank if there is no school entry.

Prepared by: _____ Noted/ Endorsed by: _____

Signature Over Printed Name of Concerned HT/ STEM SGH/Coordinator _____ Signature Over Printed Name of School Head and/or PSDS _____



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Republic of the Philippines

Department of Education

Region V

SCHOOLS DIVISION OF SORSOGON

**OFFICIAL ENTRY IN THE DIVISION SCIENCE AND TECHNOLOGY FAIR (DSTF) AND ROBOTICS OLYMPICS
IN THE SECONDARY LEVEL FOR SY 2024-2025**

School: _____ District: _____
 School Head: _____ PSDS: _____

| Event/ Category | Name of Researcher/ Contestant (First Name, MI, Last Name) | Grade Level | Title of the Research/ Innovation | Coach |
|---------------------------------------|---|-------------|-----------------------------------|-------|
| Robotics and Intelligent Machines | Individual | | | |
| | Team | | | |
| Mathematics and Computational Science | Individual | | | |
| | Team | | | |

Note: Please don't change or delete cell. Just leave it blank if there is no school entry.

Prepared by: _____

Noted/ Endorsed by: _____

Signature Over Printed Name of Concerned HT/ STEM SGH/Coordinator

Signature Over Printed Name of School Head and/or PSDS



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Republic of the Philippines

Department of Education

Region V

SCHOOLS DIVISION OF SORSOGON

**OFFICIAL ENTRY IN THE DIVISION SCIENCE AND TECHNOLOGY FAIR (DSTF) AND ROBOTICS OLYMPICS
IN THE SECONDARY LEVEL FOR SY 2024-2025**

School: _____ District: _____
 School Head: _____ PSDS: _____

| Event/ Category | Name of Researcher/ Contestant (First Name, MI, Last Name) | Grade Level | Title of the Research/ Innovation | Coach |
|-------------------------|---|-------------|-----------------------------------|-------|
| Science Innovation Expo | Individual | | | |
| | Team | | | |
| | | | | |
| Science Magic Show | | | | |
| | | | | |

Note: Please don't change or delete cell. Just leave it blank if there is no school entry.
 Prepared by: _____

Noted/ Endorsed by: _____

Signature Over Printed Name of School Head and/or PSDS

Signature Over Printed Name of Concerned HT/ STEM SGH/Coordinator



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Republic of the Philippines

Department of Education

Region V

SCHOOLS DIVISION OF SORSOGON

OFFICIAL ENTRY IN THE DIVISION SCIENCE AND TECHNOLOGY FAIR (DSTF) AND ROBOTICS OLYMPICS
IN THE SECONDARY LEVEL FOR SY 2024-2025

School: _____ District: _____

School Head: _____ PSDS: _____

| Event/ Category | Name of Contestant (First Name, MI, Last Name) | Grade Level | Title of Project | Coach |
|-----------------|---|-------------|----------------------|-------|
| Robotics | Line Follower Robot (JHS) | | Line Follower Robot | |
| | Maze Solving Mission (SHS) | | Maze Solving Mission | |
| | Maze Solving Mission (Teachers) | | Maze Solving Mission | |

Note: Please don't change or delete cell. Just leave it blank if there is no school entry.

Prepared by: _____

Noted/ Endorsed by: _____

Signature Over Printed Name of Concerned HT/ STEM SGH/Coordinator

Signature Over Printed Name of School Head and/or PSDS



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Republic of the Philippines

Department of Education

Region V

SCHOOLS DIVISION OF SORSOGON

**OFFICIAL ENTRY IN THE DIVISION SCIENCE AND TECHNOLOGY FAIR (DSTF)
IN THE ELEMENTARY LEVEL FOR SY 2024-2025**

School: _____ District: _____

School Head: _____ PSDS: _____

| Event/ Category | Name of Contestant (First Name, MI, Last Name) | Grade Level | Coach |
|------------------------------------|---|-------------|-------|
| Smart Kid (Grade 1-3) | Individual | | |
| | Team | | |
| Odyssey of the Mind (Grade 4-6) | | | |
| | | | |

Note: Please don't change or delete cell. Just leave it blank if there is no school entry.

Prepared/ Submitted by: _____

Endorsed by: _____

Signature Over Printed Name of Coach & School Head

Signature Over Printed Name of PSDS



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**REGISTRATION FORM
(Secondary)**

Republic of the Philippines
Department of Education
Region V
SCHOOLS DIVISION OF SORSOGON

**DIVISION SCIENCE AND TECHNOLOGY FAIR (DSTF) AND ROBOTICS OLYMPICS
IN THE SECONDARY LEVEL FOR SCHOOL YEAR 2024-2025**

October 9-11, 2024 (Secondary Level)/ Gubat NHS

School: _____

District: _____

School Head: _____

PSDS: _____

Total No. of Registered Participants

**OFFICIAL LIST OF PARTICIPANTS
(By School)**

| No. | Name of Participants (First Name, MI., Last Name) | Contestant (please tick) | Coach (please tick) | Event/ Category (Indicate only the event code/ eg. LS-I) |
|-----|--|-----------------------------|------------------------|---|
| 1 | | | | |
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| 21 | | | | |
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| 23 | | | | |
| 24 | | | | |
| 25 | | | | |

Note: This will serve as basis for the issuance of certificates. There should have no duplication of names in the list.

Prepared/ Submitted by:

Signature Over Printed Name of the Authorized Representative



Balogo Sports Complex, Balogo, Sorsogon City, Sorsogon 4700

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**REGISTRATION FORM
(Secondary)**

Republic of the Philippines
Department of Education
Region V
SCHOOLS DIVISION OF SORSOGON

**DIVISION SCIENCE AND TECHNOLOGY FAIR (DSTF) AND ROBOTICS OLYMPICS
IN THE SECONDARY LEVEL FOR SCHOOL YEAR 2024-2025**

October 9-11, 2024 (Secondary Level)/ Gubat NHS

School: _____

District: _____

School Head: _____

PSDS: _____

**OFFICIAL LIST OF PARTICIPANTS
(By School)**

| No. | Name of Participants (First Name, MI., Last Name) | Contestant (please tick) | Coach (please tick) | Event/ Category (Indicate only the event code/ eg. LS-I) |
|-----|--|-----------------------------|------------------------|---|
| 26 | | | | |
| 27 | | | | |
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| 51 | | | | |
| 52 | | | | |
| 53 | | | | |

Note: This will serve as basis for the issuance of certificates. There should have no duplication of names in the list.

Prepared/ Submitted by:

Signature Over Printed Name of Authorized Representative



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Republic of the Philippines
Department of Education
Region V
SCHOOLS DIVISION OF SORSOGON

**DIVISION SCIENCE AND TECHNOLOGY FAIR (DSTF)
IN THE ELEMENTARY LEVEL FOR SCHOOL YEAR 2024-2025**

November 7-8, 2024 (Elementary Level)/ Casiguran CS

Municipality: _____

Total No. of Registered Participants: _____

**OFFICIAL LIST OF PARTICIPANTS
(By Municipality)**

| No. | Name of Participants (First Name, MI., Last Name) | Contestant (please tick) | Coach (please tick) | Event/ Category | School | District |
|-----|--|-----------------------------|------------------------|-----------------|--------|----------|
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |

Note: This will serve as basis for the issuance of certificates. There should have no duplication of names in the list.

Prepared/ Submitted by:

Signature Over Printed Name of Coach/ School Head

Endorsed by:

Signature Over Printed Name of PSDS/ OIC-PSDS



Republic of the Philippines
Department of Education
REGION V - BICOL



9 September 2024

REGIONAL MEMORANDUM

No. **01019** s. 2024

**REGIONAL SCIENCE, TECHNOLOGY, FAIR AND ROBOTICS OLYMPICS
FOR SY 2024-2025**

To : Schools Division Superintendents
Division Science and Math Supervisors
Public and Private Elementary and Secondary School Heads
All Concerned

1. In preparation for the coming National Science and Technology Fair for School Year 2024-2025, this Office through the Curriculum and Learning Management Division (CLMD) shall conduct the Regional Science, Technology, Fair, and Robotics Olympics for SY 2024-2025 at Legazpi City Convention Center on November 13-15, 2024.

2. This year's fair, themed "*Towards a Shared Vision: Exploring the Future for a Better Tomorrow*," will continue to nurture and elevate learners' research, innovation, and creativity. It offers a vibrant platform for students to showcase their talents and accomplishments in science, mathematics, robotics, and research. The event also fosters forward-thinking, encouraging collaboration and the exchange of ideas to address global challenges, emphasizing the importance of shared responsibility and actionable steps in achieving long-term sustainable goals.

3. Anent to this, the following schedule of activities shall be observed:
- Division Science, Technology, Fair, and Robotics Olympics
2nd to 3rd week of October, 2024
 - Submission of Division Entries for Regional Scientific Review Committee (SRC) Paper Evaluation
October 21, 2024
 - Regional Scientific Review Committee Paper Evaluation
October 22-November 3, 2024
 - Regional Science, Technology, Fair, and Robotics Olympics
November 13-15, 2024
 - Cliniquing of Qualifiers to the National Science and Technology Fair
December 5-6, 2024

4. The first-place winners at the division level in Life and Physical Sciences shall submit soft copies of the research papers and all other required documents (ISEF Forms) for the Regional Scientific Review Committee (SRC) paper evaluation, while research papers in the Robotics and Intelligent Machines Category, Mathematics and Computational
















Address: Regional Center Site, Rawis, Legazpi City, 4500
Telephone Nos.: 0969 516 9555
Email Address: region5@deped.gov.ph
Website: <https://region5.deped.gov.ph/>



Science and Science Innovation Expo shall automatically join the Regional Fair provided that all required forms are properly completed.

Only the declared first-place winners at the division level will submit documents. Google Drive link containing all entries of the division should be emailed to rstfrov@gmail.com on or before October 21, 2024, following the format:

| Folder Code | Contents of the Folder | Sample Content of the Folder for Forms |
|---|---|--|
| LS-I-Albay *Life Science-Individual-Albay | Manuscript: LS-I-Division-School Name ex: LS-I-Albay-MORMS | |
| | Folder containing the needed forms: LS-I-Division-Forms <i>*Name of the folder where all of the soft copies of the forms are found</i> | LS-I-Albay-Form 1 LS-I-Albay-Form 2 LS-I-Albay-Logbook |
| <ul style="list-style-type: none">  LS-I-Division  LS-T-Division  PS-I-Division  PS-T-Division  RIM-I-Division  RIM-T-Division  MCS-I-Division  MCS-T-Division  SIE-I-Division  SIE-T-Division | <ul style="list-style-type: none">  LS-I-Division-Forms | <ul style="list-style-type: none">  LS-I-Division-Data logbook  LS-I-Division-Form 1 |

5. The participation of schools in RSTF-RO shall be clustered into categories: Life Science, Physical Science, Robotics and Intelligent Machines, Mathematics and Computational Science, and Science Innovation Expo. Special categories are included to be participated by coaches and learners in the Robotics Olympics, Science Magic Show, Science Smart Kid and Odyssey of the Mind are also included. Major categories are further classified into subcategories to wit:

| Life Science (Grades 9-12) | | Physical Science (Grades 9-12) | | Robotics & Intelligent Machines (Grades 9-12) | | Mathematics & Computational Science (Grades 9-12) | | Science Innovation Expo (Grades 9-12) | | Maze Solving Robot | | Line Follower Robot | Science Magic Show | Science SMART Kid | Odyssey of the Mind |
|----------------------------|---|--------------------------------|---|---|---|---|---|---------------------------------------|---|--------------------|---------|---------------------|--------------------|--------------------------|--------------------------|
| I | T | I | T | I | T | I | T | I | T | SHS | Coaches | JHS | STE/STEM | Key Stage 1 (Grades 1-3) | Key Stage 2 (Grades 4-6) |
| | | | | | | | | | | | | | | | |

6. The following documents are enclosed for the information and guidance of all concerned:

- Enclosure 1: Mechanics, Guidelines & Maximum Number of Participants per SDO
- Enclosure 2: Matrix of Activities
- Enclosure 3: Copy of Handbook
- Enclosure 4: Templates of Required Forms



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7. No Registration Fee shall be collected. Expenses in the SSTF-RO, DSTF-RO, RSTF-RO and all other travel expenses shall be charged against local funds and/or other sources; whereas, the expenses of the regional activity (meals of TWG members, materials, medals, plaque, and honoraria of members of the Scientific Review Committee (SRC) evaluators, Board of Judges (BOJ) and other external or non-DepEd resource persons shall be charged against the Regional Funds and BCD Support Funds subject to the usual accounting and auditing rules and regulations.

8. All entries shall be endorsed by the Schools Division Superintendent. Entries not included in the official endorsement will not be accepted. Link to registration forms will be sent to the division supervisors at least two weeks prior to the fair.

9. For information, guidance, and wide dissemination.


BEBIANO I. SENTILLAS
Director III
Officer-in-Charge
Office of the Regional Director

To be included in the Perpetual Index
under the following subjects:

STEM FAIR
ROBOTICS
RSTF
DSTF
SSTF

CLMD/cheD
9/09/2024



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MECHANICS AND GUIDELINES

A. Research Fair and Congress (Individual and Team Categories)

Qualification

- o 1st Place declared winner at the division level.
- o Grades 9 to 12 STE/STEM student.

Guidelines

- o Approval of the Regional Scientific Review Committee is required for Life Science and Physical Science research. All other research will automatically join the Regional Fair provided that all required forms are already complete.
- o Entries for the Science Innovation Expo (SIE) must have already applied for and secured the Certificate of Patent before they will be accepted at the Regional Fair. Likewise, SIE follows a different criterion for judging, hence the presentation should focus on product presentation, originality/creativity, community/connection impact, market attractiveness, functionality, and technology validation.
- o All entries shall have an exhibit display following the standards and specifications in the handbook. Materials for the display will not be provided by the organizer, hence, shall be the responsibility of the researcher/s.
Tuklas Research Paper Format will be followed (see Appendix 2 of the handbook). Display Format for all research entries shall follow the Project Board Dimensions (see Appendix 3, 5 and 6) in the handbook.
- o Prepare a 5-minute presentation of the research focusing on the extended abstract: Purpose, Procedure, Results, and Conclusion. Q & A shall be at the discretion of the Board of Judges. Remember to follow the standards in preparing a PowerPoint presentation. Do not copy and paste the write-up in the slide decks.
- o Soft copies of research papers must be submitted on or before October 21, 2024. Three (3) hard copies in color-coded folders must be submitted on the day of the fair. Approved research papers in life and physical science must contain compliance of suggestions. This compliance will be checked by the evaluator before the start of the congress. Make sure that these will be earmarked in the write-up that will be submitted.

| Code | Color Coding | Code | Color Coding |
|-------|--------------|-------|--------------|
| LS-I | Green | MCS-I | Red |
| LS-T | Yellow | MCS-T | Purple |
| PS-I | Blue | SIE-I | Black |
| PS-T | Orange | SIE-T | White |
| RIM-I | Pink | | |
| RIM-T | Brown | | |

- o Both the Research Adviser and Researcher must have read and understood the International Rules for Pre-College Science Research: Guidelines for Science and Engineering Fairs 2024-2025 and the Guidebook for Science Fair.



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- o Guidance of all Required Forms can be found in Appendix 7 and 11 of the handbook.

Criteria for Judging

Science Innovation Expo

| | |
|--|------------|
| Originality and Creativity: | 30% |
| Community Connection and Impact: | 20% |
| Market Attractiveness: | 20% |
| Functionality and Technology Validation: | 10% |
| Project Pitching/Product Presentation | 10% |
| Utilization of Patent Information: | <u>10%</u> |
| | 100% |

Research Projects (Life Science, Physical Science, Robotics and Intelligent Machines and Mathematics and Computational Science)

| | |
|--------------------------------------|------------|
| Creative Ability: | 30% |
| Scientific Thought/Engineering Goal: | 30% |
| Thoroughness: | 15% |
| Skill: | 15% |
| Clarity: | <u>10%</u> |
| | 100% |

Best Presenter

| | |
|--------------------------------------|-----------|
| Delivery: | 20% |
| Organization (Logical Presentation): | 20% |
| Content: | 30% |
| Language: | 15% |
| Visuals: | 10% |
| Time Management: | <u>5%</u> |
| | 100% |

Best Poster Display

| | |
|--|------------|
| Content: (Accuracy, Clarity & Relevance) | 30% |
| Visual Presentation: (Layout & Organization, Aesthetics & Design, Use of Graphics) | 30% |
| Creativity & Innovation: | 20% |
| Impact and Relevance: | <u>20%</u> |
| | 100% |



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C. Science SMART Kid Competition (Primary Learner)

Objective:

The goal of this competition is to showcase the science talent of the smartest and most talented learner highlighting their knowledge and unique abilities in science in a fun, inspiring and enjoyable manner.

Qualification:

A Key Stage 1 learner (grades 1-3) aged 6-8 years old who possesses extra-ordinary science talent and interest in STEM.

Mechanics:

The competition consists of two parts:

1. **Showdown of Science Talent (3-5 minutes):**
 - o Each contestant will have 3-5 minutes to introduce themselves and demonstrate a science talent (simple science experiment, concept, or activity of their choice).
 - o This part shall allow contestants to showcase their scientific knowledge in a fun and creative way.
2. **Interview and Q&A:**
 - o After the demonstration, judges will engage the contestants in an interview, asking age-appropriate science-related questions.
 - o This segment will assess the contestant's understanding of science, their ability to think on their feet, and their confidence in answering the questions.

Judging Criteria:

1. **Understanding of Science (40%)**
 - o How well the child explains science ideas.
 - o Correctness of answers or explanations.
2. **Creativity (30%)**
 - o How fun or original the science presentation
 - o Presentation of science in a fun and engaging way.
3. **Confidence and Stage Presence (20%)**
 - o How confidently the child speaks and responds to questions.
 - o Ability to engage the audience with enthusiasm and energy.
4. **Personality and Charisma (10%)**
 - o How much the child's personality shines through.
 - o Ability to interact with judges and audience members in a relatable and fun manner.

Organization

1. All presentations must be safe, with no dangerous materials or experiments.
2. Any equipment or materials needed for presentation should be prepared in advance and checked for safety.
3. The decision of the board of judges shall be final and irrevocable.



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D. Science Magic Show Competition (JHS/SHS STEM Learners)

Objective

The Science Magic Show Competition aims to ignite curiosity and excitement about science by blending entertainment with science magic. Students will demonstrate scientific principles in a fun and engaging way, encouraging a deeper understanding of how science shapes the world around us. The competition seeks to foster creativity, enhance public speaking and presentation skills, and inspire participants and audiences alike to explore and appreciate the magic within science.

Qualification:

1. STE/STEM students who are passionate about showcasing their knowledge of science through creative and enjoying performance.
2. A maximum of 3 members.
3. The winner in the division competition shall join the regional competition. Only one (1) team shall represent the division.

Mechanics/Performance Guidelines

- Each team will have a total of **5 minutes (including entrance and exit)** to showcase their **science magic trick**.
- The performance shall include:
 - A brief introduction describing the science magic act, the materials used and the science principles involved.
 - A visual demonstration of the science magic.
 - A clear and simple explanation of the **science principles** behind the magic trick (e.g., chemistry, physics, biology, etc.).
- The magic show should be engaging, entertaining, and educational, capturing both the mystery of magic and the excitement of science.

Judging Criteria:

Contestants will be judged based on the following criteria:

- **Scientific Explanation (40%):**
How well the contestant explains the science behind the magic trick, including accuracy and clarity of the explanation.
- **Creativity and Innovation (30%):**
Originality of the science magic trick, uniqueness, and the level of creativity in presentation.
- **Showmanship (20%):**
How engaging, confident, and entertaining the contestants are during the performance.
- **Audience Impact (10%):**
How well the magic show captures the audience's attention and generates excitement or curiosity.



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Organization and Safety Requirements

- Each performance is strictly limited to **5 minutes**. A warning will be given at the 4-minute mark.
- Exceeding the time limit will result in point deductions to be agreed by the board of judges.
- Contestants are responsible for bringing their own materials and equipment for the performance.
- All science magic tricks must be **safe** and follow safety guidelines.
- No dangerous chemicals, open flames, or hazardous materials are allowed.
- Participants must ensure that their equipment is secure and safe for the audience and themselves.
- The decision of the board of judges shall be final and irrevocable.

E. Odyssey of the Mind (Intermediate Category)

Objective:

Odyssey of the Mind is a creative problem-solving program in which teams devise and present solutions to complex, long-term problem over several months. This challenge involves elements such as writing, design, construction, and presentation.

Qualifications:

1. The competition is open to Grades 4-6 learners of both public and private high schools in the Philippines.
2. The team will consist of 3 members and 1 coach.

Rules of the Competition:

1. The participants must be in the competition area 15 mins before the competition.
2. The teams will receive an orientation from the assigned facilitator covering the guidelines and mechanics.
3. No coaching shall be done during the competition proper.
4. The competition will feature two distinct stations from these four categories: Life Science, Chemistry, Physics, and Earth Science.
5. At each station, teams will be provided with materials, which they may choose to use entirely, partially, or not at all, to develop and present innovative, on-the-spot solutions tailored to the specific field of science assigned to them.
6. Teams will have 4 minutes at each station to complete the task, followed by an additional 3 minutes to present their work to the judges and another 3 minutes for Q & A.
7. The teams will be judged based on the following criteria with suggested percentages:
 - **Creativity and Originality (30%):** Assess how unique and inventive the solution is. This includes originality in ideas, approaches, and the overall concept.
 - **Problem-Solving Process (20%):** Evaluate the effectiveness and thoroughness of the approach taken to solve the problem. This involves how well the team addressed the challenge and the logical structure of their solution.
 - **Presentation (20%):** Judge the clarity, engagement, and organization of the team's presentation. This includes how well the team communicates their solution and captivates the audience.



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- **Technical Execution (15%):** Review the functionality and craftsmanship of the technical aspects of the solution. This measures how well the practical elements are executed.
 - **Teamwork and Collaboration (10%):** Examine how well the team worked together and whether the presentation reflects equal participation and effective collaboration among members.
 - **Adherence to Rules and Constraints (5%):** Ensure that the team followed all competition rules and constraints. This includes compliance with guidelines and limitations specified for the problem.
8. The decisions of all officials regarding these rules and the conduct of the event shall be final.

Maximum Number of Participants per Event

| Event | Student | Coach | Total |
|--|---------|-------|-------------|
| o Life Science Individual | 1 | 2 | 3 |
| o Life Science Team | 3 | 2 | 5 |
| o Physical Science Individual | 1 | 2 | 3 |
| o Physical Science Team | 3 | 2 | 5 |
| o Robotics & Intelligent Machines Individual | 1 | 2 | 3 |
| o Robotics & Intelligent Machines Team | 3 | 2 | 5 |
| o Mathematics & Computational Science Individual | 1 | 2 | 3 |
| o Mathematics & Computational Science Team | 3 | 2 | 5 |
| o Science Innovation Expo Individual | 1 | 2 | 3 |
| o Science Innovation Expo Team | 3 | 2 | 5 |
| o Science SMART Kid | 1 | 1 | 2 |
| o Odyssey of the Mind | 3 | 1 | 4 |
| o Science Magic Show | 3 | 2 | 5 |
| o Line Tracing Robot (JHS) | 3 | 1 | 4 |
| o Maze Solving Mission Robot (SHS) | 3 | 1 | 4 |
| o Maze Solving Mission Robot (coaches category) | 2 | 1 | 3 |
| Total | | | = 62 |

note: Life and Physical Science is still subject to SRC Evaluation before they can join the Regional Fair



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Regional Science, Technology, Fair, and Robotics Olympics for School Year 2024-2025
MATRIX OF ACTIVITIES
Nov 13-15, 2024

| Nov 12 | Nov 13 | Nov 14 | Nov 15 |
|--|---|--|--|
| | <p>7:00-10:00 Putting-up of Exhibit Display</p> <p>10:30 AM Opening Program and Opening of Exhibit Display</p> <p>venue: Legazpi City Convention Center</p> | <p>8:00-5:00 Science Congress (Simultaneous)</p> <ul style="list-style-type: none"> o Life Science o Physical Science o Robotics and Intelligent Machines o Mathematics and Computational Science o Science Innovation Expo <p>venue: Legazpi City Convention Center</p> | <p>8:00-10:00 Sci-Bond: Special Session with Saturn Sensei</p> <p>11:00-12:00 Closing Program and Awarding of Winners</p> <p>venue: Legazpi City Convention Center</p> |
| <p>1:00-onwards</p> <p>Preparatory Conference and Workshops of TWG</p> | <p>1:00-5:00 Public Viewing</p> <p>1:00-5:00</p> <ul style="list-style-type: none"> o Science SMART Kid o Science Magic Show <p>venue: Legazpi City Convention Center</p> <ul style="list-style-type: none"> o Odyssey of the Mind <p>venue: Legazpi City Audio-Visual Center</p> | <p>8:00-10:00 Robotics Olympics</p> <ul style="list-style-type: none"> - Line Tracing Robot (JHS) <p>10:00-12:00</p> <ul style="list-style-type: none"> - Maze Following Mission Robot (SHS) <p>1:00-3:00</p> <ul style="list-style-type: none"> - Maze Following Mission Robot (coaches category) <p>venue: Legazpi City Hall Audio-Visual Center, Old Albay</p> | <p>1:00 PM</p> <p>Wrap-up and Closure</p> <p>Meeting of Qualifiers to the National Science and Technology Fair</p> |



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