

NC Mechanical Technology Subject Meeting Summary

Date: 29 July 2026

Chairperson: Danie Van Der Westhuizen (GPEDU)

Duration: 1 hour 55 minutes

Executive Summary

The meeting focused on the analysis of June examination results, curriculum coverage, administrative compliance, learner support interventions, PAT moderation requirements, and support resources available to Mechanical Technology educators. A major concern raised was the poor provincial performance across Grades 10 to 12 and the failure of several schools to submit required results and curriculum reporting data. Extensive emphasis was placed on improving theory teaching, compliance with administrative requirements, PAT readiness, and curriculum delivery.

Key Discussion Points

1. June Examination Results Analysis

Provincial Averages

- Grade 10: **36%**
- Grade 11: **38%**
- Grade 12: **35%**

Concerns

- Overall achievement is below expected standards.
- Grade 12 performance is particularly concerning ahead of prelim examinations.
- Practical performance is generally stronger than theoretical performance.
- Many learners struggle with:
 - Theoretical concepts
 - Calculations
 - Engineering drawing interpretation
 - Higher-order examination questions

Subject-Specific Findings

Automotive

- Significant variation between districts.
- Theory performance weaker than practical performance.
- Immediate intervention required before prelim examinations.

Fitting and Machining

- Learners struggle with calculations and engineering drawings.
- Technical calculations remain the weakest area.
- More exposure to calculation-based questions needed.

Welding and Metalwork

- Lowest achievement levels across participating schools.
 - Weak understanding of welding processes, materials and forces.
 - Theory remains significantly weaker than practical work.
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2. Outstanding Results Submission

Schools with missing or incomplete result submissions were identified, including:

- Danielskuil
- Veritas
- Kathu
- Mothibistad
- Kuruman
- Saul Damon and others

The lack of submissions limits accurate provincial analysis and reporting to Head Office.

3. Administrative Compliance

Teachers were reminded to maintain:

Subject File

Must include:

- CAPS documents
- Policies
- Timetables
- Meeting minutes
- Moderation reports
- Development plans
- Monitoring documents

Assessment File

Must include:

- Annual Programme of Assessment
- Formal tasks
- Memoranda
- Moderation evidence
- Mark sheets
- SBA records

Lesson Preparation File

Must contain:

- Weekly plans
 - Lesson plans
 - Practical planning
 - ATP-aligned teaching preparation
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4. Asset and Inventory Management

Strong emphasis was placed on:

- Updating asset registers.
 - Recording newly received equipment within 7 days.
 - Conducting stock-taking at least twice annually.
 - Ensuring handover procedures are followed when staff leave.
 - Reporting stolen items with SAPS case numbers and affidavits.
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5. Curriculum Coverage and Learner Support

Educators were reminded to:

- Follow the revised ATP strictly.
- Develop recovery plans if curriculum delivery falls behind.
- Conduct baseline assessments for each topic.
- Mark learner activities regularly.
- Maintain evidence in learner books.
- Use informal assessments monthly.

Greater support is required for:

- Progressed learners
 - Repeaters
 - Learners performing below 40%
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6. Formal Assessment Requirements

Grades 10 and 11

- Formal Test:
 - 50 marks
 - 1 hour duration
- Only Term 3 content may be assessed.
- Pre- and post-moderation compulsory.

Grade 12

- Trial Examination:
 - 200 marks
 - 3 hours
 - Must assess all Term 1 to Term 3 content.
 - Pre- and post-moderation compulsory.
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7. PAT Moderation

Key Dates

PAT moderation scheduled between: **31 August and 9 September 2026.**

PAT Requirements

- Grade 12 PATs must be completed by end of August.
- No group PAT projects are allowed.
- Every learner must have an individual PAT.
- Educators must have their own completed model.
- Full learner portfolios, mark sheets, moderation reports and assessment evidence must be available.

Automotive Specialisation

- Moderation will occur on-site.
 - Running engine, tools and equipment must be available.
 - Learners may be selected to demonstrate skills practically.
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Key Decisions

1. All outstanding results must be submitted immediately. Deadline: 30 July 2026.
 2. Curriculum completion reporting (Google Forms) must be submitted by 31 July 2026.
 3. Asset and inventory registers must be updated and maintained according to policy requirements.
 4. Pre- and post-moderation of all formal assessments is compulsory.
 5. All Grade 12 PATs must be completed before PAT moderation begins.
 6. No group PAT projects will be accepted. Individual learner projects are mandatory.
 7. Previous examination papers should be used extensively as intervention and revision tools.
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Action Items

Action Item	Responsible	Due Date
Submit outstanding June examination results	Schools with missing submissions	30 July 2026
Complete ATP/Curriculum Coverage Google Form	All schools	31 July 2026
Submit Asset Register Spreadsheet	All Mechanical Technology schools	31 July 2026
Implement intervention plans for learners below 40%	Teachers/HODs	Immediate
Conduct additional theory revision and exam preparation	Teachers	Before prelims
Ensure assessment files and subject files are compliant	Teachers	Ongoing
Complete Grade 12 PATs	All schools	End of August 2026
Prepare PAT moderation documentation and learner portfolios	Teachers/HODs	Before moderation date
Verify workshop asset registers and stock control systems	Teachers/HODs	Ongoing
Use website resources and support materials for teaching and learner support	All educators	Ongoing
Escalate Danielskuil funding delays affecting PAT completion	Danie Van Der Westhuizen	Immediate follow-up

Risks Identified

- Extremely low provincial averages across all grades.
- Poor theory performance across all specialisations.
- Outstanding school data compromising provincial reporting.
- Schools falling behind ATP curriculum coverage.
- Delays in PAT material procurement at some schools.
- Risk of learners being disadvantaged if PAT requirements are not completed before moderation.

Closing Remarks

Educators were encouraged to make greater use of available support materials, previous examination papers, ATP guidance documents, moderation tools, and resources available on the **mtechedusupport.co.za** website. Danie reiterated his availability to support educators remotely and stressed the importance of intervention strategies to improve Grade 12 outcomes before the prelim examinations.