

TEACHER WORK ATTACHMENT AT THE Multi-centric Education, Research and Industry STEM Centre@NIE (meriSTEM@NIE)



An Institute of



INDUSTRY/SECTOR	Education/ Institute of Higher Learning										
NATURE OF ATTACHMENT	Research and Curriculum Development										
LEARNING OBJECTIVES	<p>The teachers will:</p> <ol style="list-style-type: none"> 1. learn about current trends in STEM education research 2. gain knowledge on how the STEM curriculum framework is conceptualized 3. learn and collaborate on the development of integrated STEM curriculum for lower secondary science 4. conduct research and evaluation on STEM curriculum implementation 5. appreciate what education research and curriculum development entail 6. gain invaluable experience working with experts in STEM fields 										
CONTENT OF ATTACHMENT	<p>The attachment involves:</p> <ol style="list-style-type: none"> 1. familiarizing with the mission, goals, and objectives of meriSTEM@NIE 2. learning the processes of education research including synthesizing ideas from the STEM-related literature, do academic writing for publications and professional academic meetings (e.g., conferences, seminars, symposiums) 3. participating in the constructing of STEM curriculum that will be implemented in classrooms and to include processes to evaluate the learning outcomes 4. participating in discussions related to STEM education research and curriculum development 										
ATTACHMENT PERIOD	<table border="1"> <thead> <tr> <th>Timeframe</th> <th>Proposed Start Date</th> <th>Proposed End Date</th> <th>Minimum Duration</th> <th>Maximum Duration</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Open all year round</td> <td>Open all year round</td> <td>6 months</td> <td>1 year</td> </tr> </tbody> </table> <p>Note: The actual time frame may be negotiated.</p>	Timeframe	Proposed Start Date	Proposed End Date	Minimum Duration	Maximum Duration	1	Open all year round	Open all year round	6 months	1 year
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NO. OF PLACEMENTS	<p>Maximum number of teachers that meriSTEM@NIE will accept = 10</p> <p>Minimum number of teachers that meriSTEM@NIE will accept = 2</p>										
WORKING HOURS	<table border="1"> <thead> <tr> <th>Day</th> <th>Start Time</th> <th>End Time</th> </tr> </thead> <tbody> <tr> <td>Monday-Friday</td> <td>0830h</td> <td>1745h</td> </tr> </tbody> </table>	Day	Start Time	End Time	Monday-Friday	0830h	1745h				
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ADDRESS OF ATTACHMENT	1 Nanyang Walk Singapore 637616										

<p>SPECIAL REQUIREMENTS</p>	<p>The applicant should demonstrate:</p> <ul style="list-style-type: none"> • a keen interest and passion in STEM education research and curriculum development • good attitude and open to learning about STEM education research and curriculum development • have at least 6 months of STEM teaching experience in secondary schools • the ability to work in a team and independently
<p>REMARKS</p>	<p>Application Process</p> <p>Please submit the following to the Academy of Singapore Teachers.</p> <ul style="list-style-type: none"> • Brief Curriculum Vitae (max. 1-page) • School Principal Letter of Support • A brief (maximum 500 words) write-up that addresses the following: <ul style="list-style-type: none"> ○ Reasons for applying for the position ○ How the applicant can contribute to meriSTEM@NIE <p>Selection Process:</p> <p>Shortlisted applicants will be invited for an interview within 2 weeks of submission of the complete set of documents listed above. The applicant will be informed of the final outcome of the application within 2 weeks after the interview.</p>