






## Learn STEM Pedagogical Model Checklist for dimensions and characteristics

<p>With this checklist, you can test how your project meets the characteristics of Learn STEM: Check whether your project fulfils the following dimensions and their aspects.</p>	
<h3>Learn STEM is COMPLEX</h3>	
Is interdisciplinary and connects numerous subjects?	
Underlines common principles and approaches?	
Represents the complex relations between Science, Technology, Engineering and Mathematics?	
Supports a complex growth of the learner: intellectual, emotional, and social development?	
<h3>Learn STEM is PROCESS-ORIENTED</h3>	
Can learners explore STEM in a self-regulated and creative way?	
<p>Are processes iterative, focusing on:</p> <ul style="list-style-type: none"> <li>- the learners' development?</li> <li>- training basic skills?</li> <li>- building profound knowledge?</li> </ul>	
Is practicing, repeated training and applying knowledge reinforcing abilities, skills and competences?	
<h3>Learn STEM is HOLISTIC</h3>	
Focuses on understanding STEM general idea in STEM rather than accumulating specialized knowledge?	
Emphasizes the ethical component of STEM?	
Contributes to the learners' personal development?	
Explains and explores the environment on different levels using different models and even 'languages'?	
Is not simply the sum of many components, but holistic for its various interrelations?	



<h2>Learn STEM is PRACTICAL</h2>	
Supports learners in acquiring knowledge, skills and competences through real-world experiences and observations?	
Are practical experiments essential for the learning process and for the development of practical skills?	
Is practical lab work developing creativity and following the iterative learning cycle?	
Is practical exercises stimulating learners' interest and engagement?	
<h2>Learn STEM is SOCIAL</h2>	
Is a social activity with human interaction and emotional involvement?	
Is learner-centered ( <i>aiming to impact individuals and the society</i> )?	
Is inclusive, gender balanced and values diversity?	
Creates a trusted environment for the learning process, where human diversity and self-directed learning are core elements?	

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