

# ROLE DESCRIPTION



ROLE OVERVIEW	
ROLE NAME	AP Physics Teacher
NAME	PREPARED BY
ROLE DETAILS	<input checked="" type="checkbox"/> Full-time <input checked="" type="checkbox"/> Part-time <input checked="" type="checkbox"/> Contractor <input type="checkbox"/> Intern
ROLE LOCATION	LEAF Academy
DEPARTMENT	STEM
	REPORTS TO Head of STEM
ROLE N DETAILS	
Challenge to address/ROLE PURPOSE (why ROLE exists?)	<p>LEAF Academy is looking for an experienced physics educator who can teach AP Physics 1, and/or AP Physics 2, and/or AP Physics C.</p> <p>In AP Physics 1, the students learn about the foundational principles of physics as they explore Newtonian mechanics; work, energy, and power; mechanical waves and sound; and introductory, simple circuits. This course is designed to be the equivalent of a first-semester introductory college course in algebra-based physics.</p> <p>In AP Physics 2 the students expand their understanding of physics as they explore topics such as fluids; thermodynamics; electric force, field, and potential; electric circuits; magnetism and electromagnetic induction; geometric and physical optics; and quantum, atomic, and nuclear physics. This course is designed to be the equivalent of a second-semester introductory college course in algebra-based physics.</p> <p>In AP Physics C students explore concepts such as kinematics; Newton's laws of motion, work, energy, and power; systems of particles and linear momentum; rotation; oscillations; and gravitation + concepts such as electrostatics, conductors, capacitors and dielectrics, electric circuits, magnetic fields, and electromagnetism. In all the courses students also do hands-on laboratory work to investigate phenomena. This course is designed to be the equivalent of a semester-long, introductory calculus-based college course in physics.</p> <p>The combination with calculus and/or chemistry is desirable.</p> <p>The ability to differentiate in curriculum and instruction, and curriculum development are desirable. A passion for Entrepreneurial leadership is also welcome.</p>
DUTIES AND RESPONSIBILITIES	<p>Besides of above responsibilities assume (applies only to a full-time position – combination with a different subject is needed):</p> <ul style="list-style-type: none"> <li>Advisory role - responsible for a small group of students, conduct regular weekly meetings, providing support and mentoring to students when necessary</li> <li>Residential duties: regular weekday and weekend duties in the dormitory</li> <li>co-curriculars: being part of the co-curriculars programme, e.g., offering a club</li> </ul> <p>Besides of other responsibilities she/he is responsible for (applies for any type of contract):</p> <ul style="list-style-type: none"> <li>Getting familiar with the curricula of the courses</li> <li>Doing formative and summative assessments of students</li> <li>Support students also outside of classes if needed</li> </ul>
DIRECT REPORTS	Head of Stem

STUDENT FACING ROLE	YES
EXPERTISE/QUALIFICATIONS REQUIRED	
REQUIRED SKILLS	<ul style="list-style-type: none"><li>● Passion for LEAF Academy’s mission and alignment with the LEAF values</li><li>● Proactive and entrepreneurial mindset coupled with preference for teamwork</li><li>● Organized, problem-solver, self-starter</li><li>● Willing to mentor and guide students</li><li>● Capable of working well under pressure</li><li>● Sense of humor and ability to deal with ambiguity</li><li>● Advanced English language</li><li>● Passion and expertise in Math</li></ul>
MINIMUM EXPERIENCE REQUIREMENTS	3 years
MINIMUM EDUCATION REQUIREMENTS	Master degree