

NLHS Science Department Course Offerings

This flowchart represents **typical Science course sequencing** for students at New London High School. All students need 3.0 Science credits for graduation. Biology is the only required credit. Students are encouraged to explore courses in the physical and life sciences for college and career readiness. There are multiple Laude courses offering college credit opportunities.

	Core Classes / Recommended Pathway	Additional Electives	PLTW Biomedical Sciences Pathway <i>Laude Points: 2</i>	Advanced Placement & Dual Credit Electives <i>Laude Points: 2 - AP, 1 - Dual Credit</i>
Grade 9 ↓	<div style="border: 1px solid black; border-radius: 10px; background-color: #90EE90; padding: 5px; display: inline-block; margin-bottom: 5px;">Biology</div> <i>*Required course for graduation</i>		<div style="border: 1px solid black; border-radius: 10px; background-color: #FFB6C1; padding: 5px; display: inline-block;">Principles of Biomedical Sciences</div>	
Grade 10 ↓	<div style="border: 1px solid black; border-radius: 10px; background-color: #90EE90; padding: 5px; display: inline-block; margin-bottom: 5px;">Chemistry</div> OR <div style="border: 1px solid black; border-radius: 10px; background-color: #90EE90; padding: 5px; display: inline-block;">Honors Chemistry</div>	<div style="border: 1px solid black; border-radius: 10px; background-color: #ADD8E6; padding: 5px; display: inline-block; margin-right: 10px;">Anatomy & Physiology</div> <div style="border: 1px solid black; border-radius: 10px; background-color: #ADD8E6; padding: 5px; display: inline-block;">Veterinary Science</div>	<div style="border: 1px solid black; border-radius: 10px; background-color: #FFB6C1; padding: 5px; display: inline-block;">Human Body Systems</div>	
Grade 11 ↓	<div style="border: 1px solid black; border-radius: 10px; background-color: #90EE90; padding: 5px; display: inline-block; margin-bottom: 5px;">General Physics</div> OR <div style="border: 1px solid black; border-radius: 10px; background-color: #FFDAB9; padding: 5px; display: inline-block;">AP Physics I</div>	<div style="border: 1px solid black; border-radius: 10px; background-color: #ADD8E6; padding: 5px; display: inline-block; margin-right: 10px; margin-bottom: 10px;">Anatomy & Physiology</div> <div style="border: 1px solid black; border-radius: 10px; background-color: #ADD8E6; padding: 5px; display: inline-block; margin-bottom: 10px;">Veterinary Science</div> <div style="border: 1px solid black; border-radius: 10px; background-color: #ADD8E6; padding: 5px; display: inline-block;">Environmental Science</div>	<div style="border: 1px solid black; border-radius: 10px; background-color: #FFB6C1; padding: 5px; display: inline-block;">Medical Interventions</div>	<div style="border: 1px solid black; border-radius: 10px; background-color: #FFDAB9; padding: 5px; display: inline-block; margin-right: 10px; margin-bottom: 10px;">AP Chemistry</div> <div style="border: 1px solid black; border-radius: 10px; background-color: #FFDAB9; padding: 5px; display: inline-block; margin-bottom: 10px;">AP Physics I</div> <div style="border: 1px solid black; border-radius: 10px; background-color: #FFDAB9; padding: 5px; display: inline-block; margin-right: 10px;">DC - Medical Terminology</div> <div style="border: 1px solid black; border-radius: 10px; background-color: #FFDAB9; padding: 5px; display: inline-block;">DC - Nursing Assistant</div>
Grade 12	<div style="border: 1px solid black; border-radius: 10px; background-color: #D8BFD8; padding: 5px; display: inline-block;">Electives Related to College/Career Readiness Goals</div>	<div style="border: 1px solid black; border-radius: 10px; background-color: #ADD8E6; padding: 5px; display: inline-block; margin-right: 10px; margin-bottom: 10px;">Anatomy & Physiology</div> <div style="border: 1px solid black; border-radius: 10px; background-color: #ADD8E6; padding: 5px; display: inline-block; margin-bottom: 10px;">Veterinary Science</div> <div style="border: 1px solid black; border-radius: 10px; background-color: #ADD8E6; padding: 5px; display: inline-block;">Environmental Science</div>	<div style="border: 1px solid black; border-radius: 10px; background-color: #FFB6C1; padding: 5px; display: inline-block;">Biomedical Innovations</div>	<div style="border: 1px solid black; border-radius: 10px; background-color: #FFDAB9; padding: 5px; display: inline-block; margin-right: 10px; margin-bottom: 10px;">AP Chemistry</div> <div style="border: 1px solid black; border-radius: 10px; background-color: #FFDAB9; padding: 5px; display: inline-block; margin-bottom: 10px;">AP Physics I</div> <div style="border: 1px solid black; border-radius: 10px; background-color: #FFDAB9; padding: 5px; display: inline-block; margin-right: 10px;">DC - Medical Terminology</div> <div style="border: 1px solid black; border-radius: 10px; background-color: #FFDAB9; padding: 5px; display: inline-block;">DC - Nursing Assistant</div>

Laude Courses: 2 pts for AP & PLTW, 1 pt for Dual Credit through FVTC.

Project Lead the Way Courses: Recommended to take concurrently with core Science courses. Students may be eligible for college credit based on End of Course (EOC) Assessment scores.

Note: Nursing Assistant students must take the State Nursing Assistant Exam for certification.