STREAM Scope & Sequence K4-12

The biblical standpoints of Enlightium Prep's Statement of Faith and Philosophy of Christian Education ground and guide each discipline of study, bringing objectivity and coherence across disciplines for student flourishing and Christ-like formation.

Science	Technology	Reading/Religion	Engineering	Arts	Mathematics
K4: Exploration of natural phenomena with hands-on activities (e.g., observing plants, exploring weather, basic animal classification).	**K4**: Basic familiarity with tablets/apps for drawing and learning shapes.	**K4**: Storytime with themes centered on the biblical truths of creation and kindness as reflections of God's nature and character.	**K4**: Block building and basic problem-solving.	**K4**: Process-based art and seasonal crafts.	**K4**: Counting and shape recognition.
K5: Introduction to life cycles, basic experiments (e.g., sink/float), and observing cause-and-effect relationships.	**K5**: Introduction to simple coding tools (e.g., Code-a-Pillar) and digital drawing.	**K5**: Learning moral lessons through storytelling and practicing to identify the moral lessons of the story.	**K5**: Simple structures like bridges or marble runs.	**K5**: Creative projects like nature art or simple sculptures.	**K5**: Simple patterns and sorting activities.
Grade 1: Simple ecosystems, plant growth experiments, and weather charting.	**Grade 1**: Interactive story apps and basic digital literacy (e.g., safe navigation).	**Grade 1**: Introduction to Bible heroes alongside biographies of scientists and engineers.	**Grade 1**: Designing simple machines and solving hands-on challenges.	**Grade 1**:STEAM-themed crafts and integrating art into stories.	**Grade 1**: Basic measurement and pattern creation.
Grade 2: Habitats and food chains, water cycle demonstrations, and exploring states of matter.	**Grade 2**: Beginners coding games and creating digital storybooks.	**Grade 2**: Exploring Bible-based problem-solving and ethics through engaging stories.	**Grade 2**: Habitat construction and simple prototype testing.	**Grade 2**: Using art to visualize scientific concepts (e.g., water cycle).	**Grade 2**: Data collection and interpretation.
Grade 3: Earth science basics (rocks and minerals), physical science concepts like motion, and simple chemical reactions.	**Grade 3**: Simple animations and interactive presentations.	**Grade 3**: Reading about the events in biblical history and presenting insights through persuasive writing.	**Grade 3**: Roller coasters and basic structural engineering.	**Grade 3**: Music and motion inspired by science and math.	**Grade 3**: Graphing and exploring geometric shapes.
Grade 4: Advanced ecosystems, erosion experiments, and energy transfer (e.g., solar ovens).	**Grade 4**: Data collection tools (e.g., spreadsheets) and 3D modeling basics.	**Grade 4**: Analyzing moral dilemmas using biblical ethics (e.g., love God and neighbor; honesty, faithfulness) and expressing comparisons in writing.	**Grade 4**: Energy transfer systems and earthquake-resistant models.	**Grade 4**: Collaborative murals and scientific visualization.	**Grade 4**: Analyzing experimental data and geometry in engineering.

The biblical standpoints of Enlightium Prep's Statement of Faith and Philosophy of Christian Education ground and guide each discipline of study, bringing objectivity and coherence across disciplines for student flourishing and Christ-like formation.					
Grade 5: Renewable energy systems, simple circuit experiments, and human body systems.	**Grade 5**: Introduction to CAD tools and basic programming in Scratch or Python.	**Grade 5**: Debating ethical issues and developing argumentative writing skills, showcasing biblical reasoning and conclusions.	**Grade 5**: Designing renewable energy devices and water systems.	**Grade 5**: Designing prototypes with aesthetic and functional considerations.	**Grade 5**: Budgeting STREAM projects and statistics.
Grade 6: Environmental studies, water quality analysis, and basic physics experiments (e.g., ramps and friction).	**Grade 6**: Advanced data visualization and creating multimedia projects.	**Grade 6**: Examining the powerful impact of the Bible in the family, church, and society through essays and structured debates.	**Grade 6**: Advanced prototypes like wind turbines or disaster relief structures.	**Grade 6**: Interactive art installations and graphic design.	**Grade 6**: Advanced graphing, probability, and data modeling.
Grade 7: Cellular biology, energy and motion studies, and chemical reaction experiments.	**Grade 7**: Website development and coding challenges using Python or JavaScript.	**Grade 7**: Researching ethical issues related to emerging technologies and participating in discussions.	**Grade 7**: Robotics and mechanical systems.	**Grade 7**: Branding and storytelling through art.	**Grade 7**: Algebra in design and cost optimization.
Grade 8: Ecosystem impacts, human anatomy models, and introductory physics (e.g., forces and energy transfer).	**Grade 8**: 3D printing for engineering projects and introductory AI concepts.	**Grade 8**: Writing persuasive essays on global issues and crafting reflective essays on morality.	**Grade 8**: Advanced structural challenges, such as city planning models.	**Grade 8**: Combining technology and art for interactive exhibits.	**Grade 8**: Advanced statistics and geometry in modeling.
Grade 9: Foundations of biology, chemistry (e.g., acids/bases), and physics (e.g., Newton's laws).	**Grade 9**: App development and robotics programming.	**Grade 9**: Researching, writing, reporting, and debating current issues that are controversial from the biblical perspective.	**Grade 9**: Engineering for renewable energy and product development.	**Grade 9**: Product design and marketing for STREAM projects.	**Grade 9**: Applying algebra and trigonometry in STREAM contexts.
Grade 10: Advanced chemistry (e.g., titrations), environmental science, and genetics.	**Grade 10**: Advanced programming and project management software.	**Grade 10**: Developing persuasive essays and exploring literature with integrated STREAM themes.	**Grade 10**: Collaborative projects like designing sustainable infrastructure.	**Grade 10**: Multimedia storytelling and advanced design tools.	**Grade 10**: Integrating calculus concepts for engineering challenges.
Grade 11: Specialized sciences (e.g., biotechnology, astronomy,	**Grade 11**: Integration of technology in entrepreneurship (e.g.,	**Grade 11**: Analyzing complex ethical dilemmas, such as those related to AI and genetic modification.	**Grade 11**: Independent engineering projects and competitive challenges.	**Grade 11**: Creative entrepreneurship and digital art portfolios.	**Grade 11**: Advanced problem-solving in math-driven research.

The biblical standpoints of Enlightium Prep's Statement of Faith and Philosophy of Christian Education ground and guide each discipline of study, bringing objectivity and coherence across disciplines for student flourishing and Christ-like formation.					
or forensic science) and advanced experimentation.	creating tech-based solutions).				
Grade 12: Capstone research projects integrating multiple scientific disciplines (e.g., environmental restoration or biomedical research).	**Grade 12**: Capstone projects leveraging technology, such as AI tools, advanced robotics, or software development.	**Grade 12**: Completing capstone projects reflecting on STREAM's societal impact and personal values.	**Grade 12**: Capstone engineering projects addressing real-world problems.	**Grade 12**: Capstone creative projects integrated with STREAM.	**Grade 12**: Capstone projects showcasing mathematical applications.