**Westbrook School Department**

**Course Blueprint**

| **Content Area / Grade Level**  **Science** | |
| --- | --- |
| **Course Title**  AP Biology | |
| **Course Description** | |
| **Westbrook K-12 Learning Standards**   * Asking Questions and Defining Problems * Developing and Using Models * Planning and Carrying Out Investigations * Analyzing and Interpreting Data * Using Mathematics and Computational Thinking * Constructing Explanations and Designing Solutions * Engaging in Argument from Evidence * Obtaining, Evaluating and Communicating Information | **Guiding Principles / Vision of the Graduate**   * A clear and effective communicator * A self-directed and lifelong learner * A creative and practical problem solver * A responsible and involved citizen * An integrative and informed thinker |
| **Expected Outcomes -** Expectations for students upon completion of the course.  Students will be able to demonstrate understanding of the following disciplinary core ideas:   * [Structure and Function](https://my.nsta.org/ngss/DisplayStandard.aspx?view=topic&id=45) * [Inheritance and Variation of Traits](https://my.nsta.org/ngss/DisplayStandard.aspx?view=topic&id=48) * [Matter and Energy in Organisms and Ecosystems](https://my.nsta.org/ngss/DisplayStandard.aspx?view=topic&id=46) * [Interdependent Relationships in Ecosystems](https://my.nsta.org/ngss/DisplayStandard.aspx?view=topic&id=47) * [Natural Selection and Evolution](https://my.nsta.org/ngss/DisplayStandard.aspx?view=topic&id=49) | |
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| **Core Units of Study -** Each course has 4 - 6 Core Units of Study which are required and in which all targeted learning standards are embedded. | |

| **CORE UNIT #**  **Title:** | |
| --- | --- |
| **Westbrook Learning Standards**  Addressed in this unit | **Clusters and Performance Expectations**  Addressed in this unit |
| **Essential Questions** | **Outcomes for this Unit** |
| **Content** | **Skills** |
| **Common Assessment** - Assessment required of all students at end of unit. | |
| **Instructional Suggestions / Resources** - Suggested resources, including texts and experiences, to be used at teacher discretion, although those marked by \* are required of all sections of the course | **Assessment Suggestions/Resources** - Suggested assessments to be used at teacher discretion, although those marked by \* are required of all sections of the course |

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