**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)
 |
|
| **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 |

| **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 |

| **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 |

| **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 |

| **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 |

| **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 |