# The Choice!

Science Course Offerings  
SY 2016-17

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## Potential Science Courses

<table>
<thead>
<tr>
<th><strong>Life Sciences</strong></th>
<th><strong>Physical Sciences</strong></th>
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</thead>
<tbody>
<tr>
<td>- Anatomy &amp; Physiology*</td>
<td>- Physics</td>
</tr>
<tr>
<td>- Dual-Credit Biology*</td>
<td>- IB Chemistry SL*</td>
</tr>
<tr>
<td>- AP Environmental Science*</td>
<td>- IB Physics SL*</td>
</tr>
<tr>
<td>- AP Biology*</td>
<td>- AP Physics I*</td>
</tr>
<tr>
<td>- IB Biology HL*</td>
<td>- AP Physics II*</td>
</tr>
<tr>
<td></td>
<td>- AP Chemistry*</td>
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</tbody>
</table>

* = weighted grade
To Help With Your Decision

<table>
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<tr>
<th>For Everyone</th>
<th>IB vs. AP</th>
</tr>
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</table>
| - **Most Important** – talk to students who are taking or have taken the class.  
  - Workload?  
  - Enjoyment?  
  - Make sure these students are similar to you! | - Make a sample schedule for your junior & senior year  
  - Which fits best for your future? (it’s very hard to advise you if you don’t have an idea about what you want to do)  
  - Look up the transfer credit you would receive for each |

Anatomy & Physiology

- Studies the parts of the body & their function  
  - Ex. Digestive system  

**Related Careers**

- Nursing  
- Sports Medicine  
- Athletic Trainers
Dual-Credit Biology

- This class is split into two semesters:
  - 1st – Anatomy (ICC)
  - 2nd – Forensics

- Uses science & technology to gather information, often for legal uses.

Related Careers

- Same as careers for A&P
- Law enforcement-related forensics careers

AP/IB Biology

- Studies living organisms.

- Topics covered:
  - Molecules and Cells, 25%
  - Heredity & Evolution, 25%
  - Organisms and Populations, 50%

Related Careers

- Healthcare
- Veterinarians
- Lab technician
- Sales rep for drug/tech company
- Animal Technician (zoo, veterinary hospital)
AP/IB Chemistry

- Studies the composition, structure, properties, and changes of matter.

Related Careers
- Medical Fields
- Pharmaceuticals
- Agricultural & Food Chemistry
- Chemical & Petroleum Engineering
- High School Chemistry Teacher

AP Environmental Science

- Analyzes relationships between organisms within the natural world, with a focus on global environmental problems and their possible solutions.

Who Takes This Course?
- Ecologists
- People in agricultural fields (puny!)
- Environmental consultants
Physics (Standard, IB, AP I, AP II)

- Studies matter and energy, particularly how they interact
  - Ex. Motion, light, electricity, gravity

Related Careers
- Research scientists
- Science Patent Examiner
- Aeronautics
- Engineering
  - Ex. Mechanical, electrical, chemical, nuclear, materials, sound, etc.

REPEAT: To Help With Your Decision

For Everyone
- Most Important – talk to students who are taking or have taken the class.
  - Workload?
  - Enjoyment?
  - Make sure these students are similar to you!

IB vs. AP
- Make a sample schedule for your junior & senior year
  - Which fits best for your future? (it’s very hard to advise you if you don’t have an idea about what you want to do)
- Look up the transfer credit you would receive for each
- Search for “AP IB transfer credit” and your college’s name