Baton Rouge Recruiting Battalion

Academic Enrichment Boot-Camp Instructions
LTC Eric Saulsbury, Battalion Commander
CPT Terrence Parker, Battalion Adjutant
Dr. Hornbeak, Baton Rouge ESS
Today’s Presentation

1. Greetings/Introductions-LTC Saulsbury
2. How can we help?
3. Thanks for what you do!!
4. M2S Video
5. Overview of New Updates
6. Training
7. Questions???
Structure of the Boot-Camp

1. 12 to 15 hours
2. Path 1-ACT Structure
3. Path 2-Standardized Test Curriculum
4. Path 3-ASVAB Structure
5. Path 4-ACCUPLACER Structure
6. Individual Score Sheet to track progress
Makeup of the English Section (75 questions/45 minutes)

1. Production of Writing
2. Knowledge of Language
3. Conventions of Standard English
Makeup of the Reading Section (40 questions/35 minutes)

1. Key Ideas & Details
2. Craft & Structure
3. Integration of Knowledge & Ideas
4. Understanding Complex Texts
Correlated Lessons using March2Success
English/Reading Lessons

- Modifiers
- Subject-Verb Agreement
- Pronoun-Antecedent Agreement
- Modifier Placement
- Clauses
- Sentence Fragment
- Correcting Run-on Sentences
- Reconstructing Sentences I
- Sentence Relationships
- Text-Based Conclusions
- Reconstructing Sentences II
- Signal Words

- Main Ideas and Supporting Material
- Author Point of View
- The Parts of a Sentence
- Sentence Types
- Essay Writing
- Organizing and Developing Your Ideas
- Effective Style in Essays
- Avoiding Common Errors, Part I
- Avoiding Common Errors, Part II
- Essay Writing: Putting It All Together
- Extend and Apply Text Concepts

*Each lesson is accompanied with a Quiz that assesses learning.*
Makeup of the Math Section (60 questions/60 minutes)

1. Preparing for Higher Math
2. Number & Quantity
3. Algebra
4. Functions
5. Geometry
6. Statistics & Probability
7. Integrating Essential Skills
8. Modeling
Correlated Lessons using March2Success
MATH HUB

- Inequalities
- Solving Equations
- Evaluating Functions
- Domain Range of Functions
- Linear Functions
- Solving Quadratic Functions
- Roots of Quadration
- Percents
- Rates
- Making Predictions with Probabilities
- Mean, Median, Mode and Range
- Representing and Interpreting Data
- Lines
- Slope of a Line
- Angle Measures
- Triangles
- Right Triangles

*Each group of lessons is accompanied with Question Sets that assess learning.
Makeup of the Science Section (40 questions/35 minutes)

1. Interpretation of Data
2. Scientific Investigation
3. Evaluation of Models, Inferences & Experimental Results
Correlated Lessons using March2Success Science Hub

- Cellular Structures
- Cellular Processes
- Structure of DNA & Replication
- DNA Translation & Mutation
- Taxonomy
- Living Systems
- Newton’s Laws & Mechanical Efficiency
- Wave Phenomena
- The Movement of Heat Energy
- The Impact of Energy Sources
- Calculation Questions
- Fluids
- The Periodic Table
- Physical & Chemical Changes in Matter
- Conservation of Mass & Energy
- Solution Chemistry
- Bacteria & Viruses
- Evolution & Natural Selection
- Matter & Energy Cycles
- Interactions in an Ecosystem
- Plants

*Each group of lessons is accompanied with Question Sets that assess learning.*
# Example of a Score Sheet

<table>
<thead>
<tr>
<th>English Lessons</th>
<th>Quiz</th>
<th>Writing Lessons</th>
<th>Quiz</th>
<th>Algebra Lessons</th>
<th>QSet 1</th>
<th>College Algebra Lessons</th>
<th>QSet 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clauses</td>
<td></td>
<td>Essay Writing</td>
<td></td>
<td>Inequalities</td>
<td></td>
<td>Evaluation Functions</td>
<td></td>
</tr>
<tr>
<td>Sentence Fragments</td>
<td></td>
<td>Organizing and Developing Your Ideas</td>
<td></td>
<td>Solving Equations</td>
<td></td>
<td>Domain Range of Functions</td>
<td></td>
</tr>
<tr>
<td>Correcting Run-On Sentences</td>
<td></td>
<td></td>
<td></td>
<td>DA &amp; Prob. Lessons</td>
<td>QSet 1</td>
<td>Linear Functions</td>
<td></td>
</tr>
<tr>
<td>Text-Based Conclusions</td>
<td></td>
<td></td>
<td></td>
<td>Percents</td>
<td></td>
<td>Solving Quadratic Functions</td>
<td></td>
</tr>
<tr>
<td>Sentence Types</td>
<td></td>
<td>Rates</td>
<td></td>
<td></td>
<td></td>
<td>Roots of Quadratic Functions</td>
<td></td>
</tr>
<tr>
<td>Reconstructing Sentences</td>
<td></td>
<td>Making Pred. with Prob.</td>
<td></td>
<td></td>
<td></td>
<td>Geometry Lessons</td>
<td>QSet 1</td>
</tr>
<tr>
<td>Signal Words</td>
<td></td>
<td>Mean, Median, Mode and Range</td>
<td></td>
<td>Rep. and Interpreting Data</td>
<td></td>
<td>Lines</td>
<td></td>
</tr>
<tr>
<td>Extend and Apply Text Concepts</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Slope of a Line</td>
<td></td>
</tr>
</tbody>
</table>

**Biology Lessons**

<table>
<thead>
<tr>
<th></th>
<th>Quiz</th>
<th>Physics Lessons</th>
<th>Quiz</th>
<th>Chemistry Lessons</th>
<th>QSet 1</th>
<th>Angle Measures</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Cellular Structures</td>
<td></td>
<td>Newton’s Laws &amp; Mechanical Eff.</td>
<td></td>
<td>Fluids</td>
<td>Triangles</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cellular Processes</td>
<td></td>
<td>Wave Phenomena</td>
<td></td>
<td>The Periodic Table</td>
<td>Right Triangles</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DNA Translation &amp; Mutation</td>
<td></td>
<td>The Impact of Energy Sources</td>
<td></td>
<td>Conservation of Mass &amp; Energy</td>
<td>Bacteria &amp; Viruses</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Taxonomy</td>
<td></td>
<td>Calculation Questions</td>
<td></td>
<td>Solution Chemistry</td>
<td>Evolution &amp; Natural Selection</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Living Systems</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Matter &amp; Energy Cycles</td>
<td>Interactions in an Ecosystem</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Plants</td>
<td></td>
</tr>
</tbody>
</table>
Equation for March2Success

<table>
<thead>
<tr>
<th>ACT Average</th>
<th>Lesson/Quiz Average</th>
<th>Lesson/Quiz Completion</th>
<th>Increase</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>18</td>
<td>20%</td>
<td>20%</td>
<td>1 or 2 points</td>
<td>19-20</td>
</tr>
<tr>
<td>18</td>
<td>40%</td>
<td>40%</td>
<td>2 to 3 points</td>
<td>20-21</td>
</tr>
<tr>
<td>18</td>
<td>50%</td>
<td>60%</td>
<td>3 to 4 points</td>
<td>21-22</td>
</tr>
<tr>
<td>18</td>
<td>60%</td>
<td>70%</td>
<td>4 to 5 points</td>
<td>22-23</td>
</tr>
<tr>
<td>18</td>
<td>70%</td>
<td>80%</td>
<td>5 to 6 points</td>
<td>23-24</td>
</tr>
<tr>
<td>18</td>
<td>80%</td>
<td>90%</td>
<td>6 to 7 points</td>
<td>24-25</td>
</tr>
<tr>
<td>18</td>
<td>90%</td>
<td>100%</td>
<td>7 to 8 points</td>
<td>25-26</td>
</tr>
</tbody>
</table>
Study Results

• 133 students (Will add more before the Conference)
• One-day/two day boot-camp (Math/English/Science)

• **English**-105 students averaged a 3 point increase
• **Math**- 73 students averaged a 2.5 point increase
• **Science**- 78 students averaged a 4 point gain
• **Reading**- 98 students averaged a 4 point gain
• **Composite**-89 students averaged a 2.5 point gain
High School SPS: ACT and WorkKeys

Purpose
The ACT/WorkKeys index is to ensure student readiness for postsecondary learning.

Policy
• All students in grade 11 take the ACT, a nationally recognized measure of college and career readiness.
• Schools earn points for the highest composite score earned by a student through the spring testing date of their senior year or a student who graduates at the end of grade 11.
• Beginning in 2015-2016, WorkKeys was included in the ACT index for accountability when the WorkKeys score yielded more index points than the ACT score.

<table>
<thead>
<tr>
<th>ACT / WorkKeys</th>
<th>2017-2018 and beyond</th>
</tr>
</thead>
<tbody>
<tr>
<td>36</td>
<td>150</td>
</tr>
<tr>
<td>31 or Platinum</td>
<td>134</td>
</tr>
<tr>
<td>27</td>
<td>120.4</td>
</tr>
<tr>
<td>25</td>
<td>113.6</td>
</tr>
<tr>
<td>24 or Gold</td>
<td>110.2</td>
</tr>
<tr>
<td>23</td>
<td>106.8</td>
</tr>
<tr>
<td>21 (ACT Readiness marker)</td>
<td>100</td>
</tr>
<tr>
<td>20</td>
<td>90</td>
</tr>
<tr>
<td>19</td>
<td>80</td>
</tr>
<tr>
<td>18 or Silver</td>
<td>70</td>
</tr>
<tr>
<td>17 or below</td>
<td>0</td>
</tr>
</tbody>
</table>
Questions???
Dr. Jerrick L. Hornbeak
225-769-1038 (O)
225-226-0342 (C)
jerrick.l.hornbeak.civ@mail.mil