

The Foundation Plan

The new graduation plan for OCHS for students entering high school in 2014 – 2015

****All students will take all courses in The Foundation Plan**

| English Language Arts | Math | Science | Social Studies | LOTE (Languages Other Than English) | PE | Fine Arts | Electives | Credits |
|-----------------------|---|---|----------------------------|--|-------------------------------|-----------|--|-------------------|
| 4 Credits | 3 Credits | 3 Credits | 3 Credits | 2 Credits (same language) | 1 Credit | 1 Credit | 5 Credits | 22 credits |
| English I | Algebra I | IPC | US History | Spanish I | PE | Art | Professional Communications (1/2 credit) | |
| English II | Geometry | Biology | World Geography | Spanish II | Athletics | Band | World History | |
| English III | **Advanced Math | **Advanced Science | Government ½ & Economics ½ | | Marching Band ½ credit (Fall) | Theater | ** 3 ½ additional credits needed | |
| English IV | *choice of certain advanced classes (see below) | *choice of certain advanced classes (see below) | | | | | | |

| **Advanced <u>MATH</u> Courses | **Advanced <u>SCIENCE</u> Courses |
|--|--|
| <ul style="list-style-type: none"> Math Applications in Farming and Natural Resources | <ul style="list-style-type: none"> Anatomy & Physiology |
| <ul style="list-style-type: none"> Algebra II | <ul style="list-style-type: none"> Rocketry I |
| <ul style="list-style-type: none"> Advanced Quantitative Reasoning | <ul style="list-style-type: none"> Rocketry II |
| <ul style="list-style-type: none"> Algebraic Reasoning (2015 - 2016) | <ul style="list-style-type: none"> Food Science |
| <ul style="list-style-type: none"> Statistics (2015 – 2016) | <ul style="list-style-type: none"> Robotics I |
| <ul style="list-style-type: none"> Pre-Calculus | <ul style="list-style-type: none"> Robotics II |
| <ul style="list-style-type: none"> Calculus | <ul style="list-style-type: none"> Environmental Systems |
| <ul style="list-style-type: none"> College Prep Math | |

5 Endorsement Areas

| | |
|----------|---|
| 1 | Business & Industry |
| 2 | STEM (Science, Technology, Engineering, Math) |
| 3 | Arts & Humanities |
| 4 | Multidisciplinary |
| 5 | Public Services |

Business & Industry

Foundation Plan

| English Language Arts | Math | Science | Social Studies | LOTE (Languages Other Than English) | PE | Fine Arts | Electives | Total Credits |
|-----------------------|---|--|-------------------------------|--|----------------------------------|-----------|---|---------------|
| 4 Credits | 3 Credits | 3 Credits | 3 Credits | 2 Credits | 1 Credit | 1 Credit | 5 Credits | 22 |
| English I | Algebra I | IPC | US History | Spanish I | PE | Art | Professional Communication (½ credit) | |
| English II | Geometry | Biology | World Geography | Spanish II | Athletics | Band | World History | |
| English III | **Advanced Math (choice of classes) | **Advanced Science (choice of classes) | Government ½ & Economics ½ | | Marching Band ½ credit (Fall) | Theater | ** 3 ½ additional credits needed | |
| English IV | ** See list of ADVANCED MATH COURSES | ** See list of ADVANCED SCIENCE COURSES | | | | | *** 2 of the Elective credits may count toward credits for endorsement requirements | |

3 Pathways to earn a Business & Industry Endorsement

1. Agriculture
2. Information Technology
3. Journalism – Yearbook

| 1. Agriculture | 2. Information Technology | 3. Journalism -- Yearbook |
|--|---|---|
| <i>Foundation Plan</i> | <i>Foundation Plan</i> | <i>Foundation Plan</i> |
| PLUS | PLUS | PLUS |
| <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> <p style="color: red; margin: 0;">1 -- Additional Advanced Math Credit</p> </div> <ol style="list-style-type: none"> 1. Principles of Ag 2. Ag Mechanics 3. Ag Facilities & Design 4. Advanced Welding | <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> <p style="color: red; margin: 0;">1 -- Additional Advanced Math Credit</p> </div> <ol style="list-style-type: none"> 1. Principles of Information Technology 2. Digital & Interactive Media <p style="text-align: center;">and/or</p> <ol style="list-style-type: none"> Computer Programming I | <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> <p style="color: red; margin: 0;">1 -- Additional Advanced Math Credit</p> </div> <ol style="list-style-type: none"> 1. Journalism 2. Yearbook I |
| <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> <p style="color: red; margin: 0;">1 -- Additional Advanced Science Credit</p> </div> <p style="text-align: center;">Or</p> <ol style="list-style-type: none"> 1. Principles of Ag 2. Food Technology or Floral Design 3. Agribusiness 4. Landscape Design or Horticulture | <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> <p style="color: red; margin: 0;">1 -- Additional Advanced Science Credit</p> </div> <ol style="list-style-type: none"> 3. Web Technologies <p style="text-align: center;">and/or</p> <ol style="list-style-type: none"> Computer Programming II 4. Research in IT Solutions | <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> <p style="color: red; margin: 0;">1 -- Additional Advanced Science Credit</p> </div> <ol style="list-style-type: none"> 3. Yearbook II 4. Yearbook III |

STEM

Foundation Plan

| English Language Arts | Math | Science | Social Studies | LOTE (Languages Other Than English) | PE | Fine Arts | Electives | Total Credits |
|-----------------------|--------------|-------------|-------------------------------|--|----------------------------------|-----------|---|---------------|
| 4 Credits | 3 Credits | 3 Credits | 3 Credits | 2 Credits (same language) | 1 Credit | 1 Credit | 5 Credits | 22 |
| English I | Algebra I | **Biology | US History | Spanish I | PE | Art | Professional Communications (½ credit) | |
| English II | **Algebra II | **Chemistry | World Geography | Spanish II | Athletics | Band | World History | |
| English III | Geometry | **Physics | Government ½ & Economics ½ | | Marching Band ½ credit (Fall) | Theater | ***IPC Strongly Suggested | |
| English IV | | | | | | | ** 2 ½ additional credits needed | |

2 Pathways to earn a STEM Endorsement

1. STEM Math
2. STEM Science

** ALGEBRA II, CHEMISTRY, and PHYSICS are required courses for both STEM Math and STEM Science

*** IPC is an ELECTIVE Course in the STEM Endorsement. We strongly suggest taking this course.

| STEM Math | STEM Science |
|--|--|
| <i>Foundation Plan PLUS</i> | <i>Foundation Plan PLUS</i> |
| <div style="text-align: center; font-size: 2em; color: red; font-weight: bold;">2</div> <p style="text-align: center; color: red; font-weight: bold;">Additional ADVANCED Math Courses for which ALGEBRA II is a prerequisite</p> <p>Courses could be –</p> <ul style="list-style-type: none"> Pre Calculus Advanced Quantitative Reasoning Algebraic Reasoning (2015-2016) Statistics (2015-2016) Calculus Dual Credit Math Courses | <div style="text-align: center; font-size: 2em; color: red; font-weight: bold;">2</div> <p style="text-align: center; color: red; font-weight: bold;">Additional ADVANCED Science Courses</p> <p>Courses could be –</p> <ul style="list-style-type: none"> Anatomy & Physiology Rocketry I Rocketry II Environmental Systems Food Science Robotics I Robotics II Forensic Science Dual Credit Science Courses |

Arts & Humanities

Foundation Plan

| English Language Arts | Math | Science | Social Studies | LOTE (Languages Other Than English) | PE | Fine Arts | Electives | Total Credits |
|-----------------------|--------------------------------------|---|----------------------------|--|-------------------------------|-----------------|--|---------------|
| 4 Credits | 3 Credits | 3 Credits | 3 Credits | 2 Credits (same language) | 1 Credit | 1 Credit | 5 Credits | 22 |
| English I | Algebra I | IPC | US History | Spanish I | PE | Art | Professional Communications (½ credit) | |
| English II | Geometry | Biology | World Geography | Spanish II | Athletics | Band | World History | |
| English III | **Advanced Math (choice of classes) | **Advanced Science (choice of classes) | Government ½ & Economics ½ | | Marching Band ½ credit (Fall) | Theater | ** 3 ½ additional credits needed | |
| English IV | ** See list of ADVANCED MATH COURSES | ** See list of ADVANCED SCIENCE COURSES | | | | | | |

2 pathways to earn an Arts & Humanities Endorsement

1. Social Studies
2. Fine Arts – ART or MUSIC/BAND or THEATRE (or combination ART and MUSIC/BAND and THEATRE)

| Social Studies | Fine Arts -- Art or Band or Theatre (or Combination) | | | | | |
|--|---|--|--|--|---|--|
| Foundation Plan PLUS | Foundation Plan PLUS | | | | | |
| <p>1 – Additional <u>ADVANCED Math</u> Credit</p> | <p>2 Additional Social Studies Courses</p> <ul style="list-style-type: none"> • World History • Psychology & Sociology • Dual Credit Social studies | <p>1 – Additional <u>ADVANCED Math</u> Credit</p> | <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%; border-right: 1px solid black;"> <ol style="list-style-type: none"> 1. Music/Band I 2. Music/Band II 3. Music/Band III 4. Music/Band IV </td> <td style="width: 33%; border-right: 1px solid black;"> <ol style="list-style-type: none"> 1. Art I 2. Drawing II or Sculpture II 3. Drawing III or Sculpture III 4. Drawing IV or Sculpture IV </td> <td style="width: 33%;"> <ol style="list-style-type: none"> 1. Theatre I 2. Theatre II 3. Theatre III 4. Theatre IV </td> </tr> </table> | <ol style="list-style-type: none"> 1. Music/Band I 2. Music/Band II 3. Music/Band III 4. Music/Band IV | <ol style="list-style-type: none"> 1. Art I 2. Drawing II or Sculpture II 3. Drawing III or Sculpture III 4. Drawing IV or Sculpture IV | <ol style="list-style-type: none"> 1. Theatre I 2. Theatre II 3. Theatre III 4. Theatre IV |
| <ol style="list-style-type: none"> 1. Music/Band I 2. Music/Band II 3. Music/Band III 4. Music/Band IV | <ol style="list-style-type: none"> 1. Art I 2. Drawing II or Sculpture II 3. Drawing III or Sculpture III 4. Drawing IV or Sculpture IV | <ol style="list-style-type: none"> 1. Theatre I 2. Theatre II 3. Theatre III 4. Theatre IV | | | | |
| <p>1 – Additional <u>ADVANCED Science</u> Credit</p> | | <p>1 – Additional <u>ADVANCED Science</u> Credit</p> | <p>4 -- total credits</p> <p style="color: red;">4 credits each from one or two categories of the three Fine Arts areas.</p> | | | |

Multidisciplinary

Foundation Plan

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| 4 Credits | 3 Credits | 3 Credits | 3 Credits | 2 Credits (same language) | 1 Credit | 1 Credit | 5 Credits | 22 |
| English I | Algebra I | IPC | US History | Spanish I | PE | Art | Professional Communications (1/2 credit) | |
| English II | Geometry | Biology | World History | Spanish II | Athletics | Band | World History | |
| English III | **Advanced Math (choice of classes) | **Chemistry OR Physics | Government ½ & Economics ½ | | Marching Band ½ credit (Fall) | Theater | ** 3 ½ additional credits needed | |
| English IV | ** See list of ADVANCED MATH COURSES | | | | | | | |

3 pathways to get a Multidisciplinary Endorsement

1. 4 **ADVANCED** courses from any area
2. 4 X 4 (***** must include English IV, Chemistry and/or Physics**)
3. 4 credits from Dual Credit courses

| | | |
|---|--|---|
| 4 Advanced Courses (not in a sequence) | 4 x 4 | 4 Credits from Dual Credit Courses |
| Foundation Plan PLUS | Foundation Plan PLUS | Foundation Plan PLUS |
| 1 – Additional ADVANCED Math Credit | 1 – Additional ADVANCED Math Credit | Dual Credit courses can be taken from <ul style="list-style-type: none"> • Math • Science • Social Studies • Economics • Languages other than English • Fine Arts |
| 1 – Additional ADVANCED Science Credit | 1 – Additional ADVANCED Science Credit | |
| ** Choose any TWO of these courses MATH <ul style="list-style-type: none"> • Math Applications in Farming and Natural Resources • Algebra II • Advanced Quantitative Reasoning • Algebraic Reasoning (2015-2016) • Statistics (2015-2016) • Pre-Calculus • Calculus SCIENCE <ul style="list-style-type: none"> • Anatomy & Physiology • Rocketry • Food Science • Robotics • Environmental Systems ELECTIVES <ul style="list-style-type: none"> • Horticulture Science • Landscape Design • Advanced Welding • Ag Facilities • Agribusiness • Web Technologies • Advanced Computer Programming • Research in IT Solutions | Choose TWO from – <ul style="list-style-type: none"> • Math Applications in Farming and Natural Resources • Algebra II • Advanced Quantitative Reasoning • Algebraic Reasoning (2015-2016) • Statistics (2015-2016) • Pre-Calculus • Calculus • College Prep Math | 1 – Additional ADVANCED Math Credit |
| | Choose TWO from – <ul style="list-style-type: none"> • Anatomy & Physiology • Rocketry I • Rocketry II • Food Science • Robotics I • Robotics II • Environmental Systems | 1 – Additional ADVANCED Science Credit |

Public Service

Foundation Plan

| English Language Arts | Math | Science | Social Studies | LOTE (Languages Other Than English) | PE | Fine Arts | Electives | Total Credits |
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| English I | Algebra I | IPC | US History | Spanish I | PE | Art | Professional Communications (½ credit) | |
| English II | Geometry | Biology | World History | Spanish II | Athletics | Band | World History | |
| English III | **Advanced Math | **Advanced Science | Government ½ & Economics ½ | | Marching Band ½ credit (Fall) | Theater | ** 3 ½ additional credits needed | |
| English IV | (choice of certain classes) | (choice of certain classes) | | | | | | |

3 pathways to get a Public Service Endorsement

1. Human Services
2. Education and Training

| Human Services | | Education and Training | |
|--|---|--|--|
| <i>Foundation Plan PLUS</i> | | <i>Foundation Plan PLUS</i> | |
| 1 – Additional <u>ADVANCED Math</u> Credit | <ol style="list-style-type: none"> 1. Principles of Human Services 2. Lifetime Nutrition and Wellness (½ credit) AND Child Development (½ credit) 3. Child Guidance 4. Food Science Or Anatomy & Physiology | 1 – Additional <u>ADVANCED Math</u> Credit | <ol style="list-style-type: none"> 1. Principles of Human Services 2. Lifetime Nutrition and Wellness (½ credit) AND Child Development (½ credit) 3. Human Growth and Development 4. Practicum in Education and Training |
| 1 – Additional <u>ADVANCED Science</u> Credit | | 1 – Additional <u>ADVANCED Science</u> Credit | |