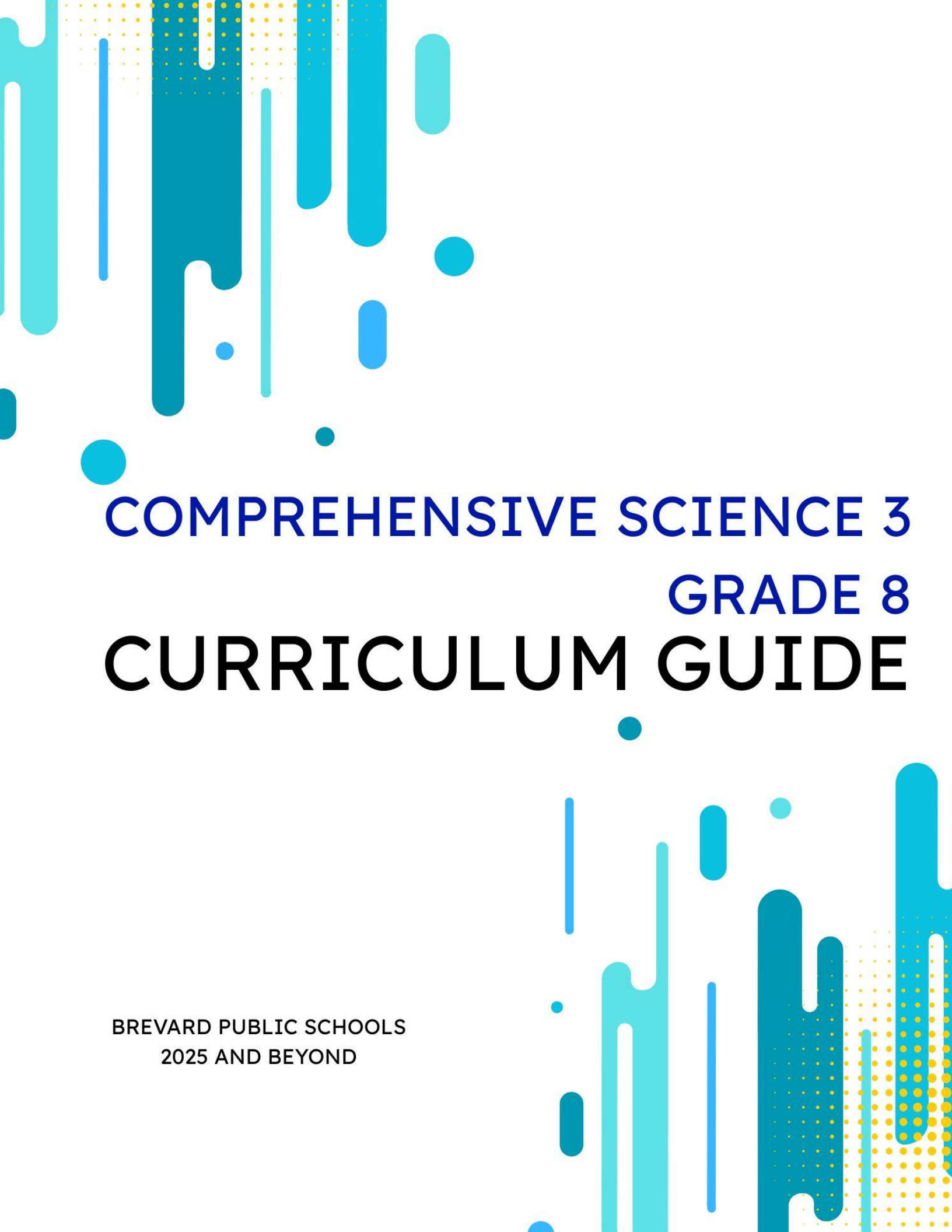




# **COMPREHENSIVE SCIENCE 3** **GRADE 8** **CURRICULUM GUIDE**

**BREVARD PUBLIC SCHOOLS**  
**2025 AND BEYOND**

# **Comprehensive Science 3 | Grade 8 Curriculum Guide**

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### **Acknowledgements**

Thanks to all previous curriculum writing teams

[Secondary Science Curriculum User Guide](#)

- [Approved Additional Resources](#)
- [Skills Days](#)
- [Blended Learning Labs](#)

**June 2025**

| Unit.<br>Concept<br>(book.topic)                                       | Concept Title                                        | Est. time<br>(based on 45<br>minute class<br>periods) | <u>Standards</u> addressed                                             |
|------------------------------------------------------------------------|------------------------------------------------------|-------------------------------------------------------|------------------------------------------------------------------------|
| Introduction & Nature of Science<br>(not found in hard copy TECH book) |                                                      |                                                       |                                                                        |
| 0                                                                      | <a href="#">Intro to Class/Science/School</a>        | 5                                                     | Lab Safety and getting to know class/class expectations                |
| NS.1                                                                   | <a href="#">Scientific Investigation</a>             | 15                                                    | SC.8.N.1.1, SC.8.N.1.2, SC.8.N.1.3, SC.8.N.1.4, SC.8.N.1.5, SC.8.N.1.6 |
| NS.2                                                                   | <a href="#">Scientific Ideas and Methods</a>         |                                                       | SC.8.N.2.1, SC.8.N.2.2, SC.8.N.3.1, SC.8.N.3.2                         |
| NS.3                                                                   | <a href="#">Scientific Impact</a>                    |                                                       | SC.8.N.4.1, SC.8.N.4.2                                                 |
| Unit 9 Properties of Matter                                            |                                                      |                                                       |                                                                        |
| 9.3                                                                    | <a href="#">Physical Properties of Matter</a>        | 10                                                    | SC.8.P.8.2, SC.8.P.8.3, SC.8.P.8.4                                     |
| 9.2                                                                    | <a href="#">Atomic Structure</a>                     | 5                                                     | SC.8.P.8.1, SC.8.P.8.5, SC.8.P.8.7                                     |
| 9.1                                                                    | <a href="#">Periodic Table</a>                       | 5                                                     | SC.8.P.8.5, SC.8.P.8.6                                                 |
| 9.4                                                                    | <a href="#">Classifying Matter (Mix. &amp; Sub.)</a> | 10                                                    | SC.8.P.8.9                                                             |
| 9.5                                                                    | <a href="#">Acids &amp; Bases</a>                    | 5                                                     | SC.8.P.8.8                                                             |
| Unit 10 Changes in Matter                                              |                                                      |                                                       |                                                                        |
| 10.2                                                                   | <a href="#">States of Matter</a>                     | 2                                                     | SC.8.P.8.1                                                             |
| 10.3                                                                   | <a href="#">Physical &amp; Chemical Changes</a>      | 13                                                    | SC.8.P.9.2                                                             |
| 10.1                                                                   | <a href="#">Chemical Formulas</a>                    | 5                                                     | SC.8.P.8.5                                                             |
| 10.4                                                                   | <a href="#">Chemical Reactions</a>                   | 10                                                    | SC.8.P.9.1, SC.8.P.9.3                                                 |
| Unit 12 Matter, Energy, & Life                                         |                                                      |                                                       |                                                                        |
| 12.1                                                                   | <a href="#">Photosynthesis &amp; Respiration</a>     | 10                                                    | SC.8.L.18.1, SC.8.L.18.2                                               |
| 12.2                                                                   | <a href="#">Matter &amp; Energy in Ecosystems</a>    | 5                                                     | SC.8.L.18.3, SC.8.L.18.4                                               |

|                   |                                            |    |                                       |
|-------------------|--------------------------------------------|----|---------------------------------------|
|                   |                                            |    |                                       |
| Unit 11 Astronomy |                                            |    |                                       |
| 11.2              | <a href="#">Solar System Properties</a>    | 10 | SC.8.E.5.1, SC.8.E.5.3, SC.8.E.5.7    |
| 11.3              | <a href="#">Gravity in Space</a>           | 5  | SC.8.E.5.4, SC.8.E.5.8                |
| 11.4              | <a href="#">Stars &amp; Galaxies</a>       | 10 | SC.8.E.5.2, SC.8.E.5.5, SC.8.E.5.6    |
| 11.6              | <a href="#">Moon Phases &amp; Eclipses</a> | 5  | SC.8.E.5.9                            |
| 11.1              | <a href="#">Seasons &amp; Tides</a>        | 10 | SC.8.E.5.9                            |
| 11.5              | <a href="#">Space Exploration</a>          | 5  | SC.8.E.5.10, SC.8.E.5.11, SC.8.E.5.12 |
| Testing Season    |                                            |    |                                       |
|                   | <a href="#">SSA Review</a>                 | 10 | <a href="#">Standards</a>             |
|                   | <a href="#">Post SSA Activities</a>        | 15 |                                       |

| Pacing and Sequence Calendar |                               |                                |                           |        |                             |        |        |        |        |
|------------------------------|-------------------------------|--------------------------------|---------------------------|--------|-----------------------------|--------|--------|--------|--------|
|                              | Week 1                        | Week 2                         | Week 3                    | Week 4 | Week 5                      | Week 6 | Week 7 | Week 8 | Week 9 |
| Quarter 1                    | Unit 0 Intro                  | Unit NS: Nature of Science     |                           |        | Unit 9 Properties of Matter |        |        |        |        |
| Quarter 2                    | Unit 9 POM (Continued)        |                                | Unit 10 Changes in Matter |        |                             |        |        |        | Exams  |
| Quarter 3                    | Unit 0 Intro                  | Unit 12 Matter, Energy, & Life |                           |        | Unit 11 Astronomy           |        |        |        |        |
| Quarter 4                    | Unit 11 Astronomy (continued) |                                |                           |        | SSA Review & Post SSA       |        |        |        |        |

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