

Science of Reading Audit: Report of Findings

Wright State University

2025

The Ohio Department of Higher Education (ODHE) Science of Reading Audit of Ohio's educator preparation programs (EPPs) assessed the extent to which institutions of higher education (IHEs) in Ohio aligned coursework, instructional materials, and practices with Ohio's definition of the science of reading as established in the [*Science of Reading Audit Metrics: Standards Alignment for the Ohio Department of Higher Education*](#) and the Ohio Revised Code.

The audit focused on courses related to reading and literacy instruction. These included courses designed to meet Ohio's 12-Hour Reading and Literacy Core Standards, 3-Hour Reading in Content Standards, and Reading Endorsement Standards, as well as other undergraduate and graduate courses addressing reading and literacy instruction.

The audit methodology included a multi-tiered course review, supplemental qualitative data collection, and a structured rating framework for programs and institutions. (See the state-level audit report for detailed methodology.)

Data Analyzed

Table 1 summarizes audit data sources from Wright State University, including data collected at a site visit (February 10–13, 2025). A total of 25 course sections were reviewed as a part of the audit process.

Table 1

Audit Data Sources at Wright State University

Source	N
Syllabus reviews	25
Textbook reviews	7
Instructional observations	7
Faculty and EPP leader interviews	7

Audit Results

Each IHE received a rating based on the cumulative alignment ratings of individual course findings.

The rating of **In Alignment** requires that

- 97%–100% of the audit metrics were addressed across the full set of 12-Hour Reading and Literacy Core courses, **and**
- all literacy-related courses complied with relevant provisions of the Ohio Revised Code.

The rating of **In Partial Alignment** requires that

- 50%–96% of the audit metrics were addressed across the full set of 12-Hour Reading and Literacy Core courses, **and**
- all literacy-related courses complied with relevant provisions of the Ohio Revised Code.

The rating of **Not In Alignment** requires that

- fewer than 50% of the audit metrics were addressed across the full set of 12-Hour Reading and Literacy Core courses, **or**
- there was evidence of noncompliance with the Ohio Revised Code in one or more literacy-related courses.

The curriculum and instruction provided in EPPs at Wright State University are **Not In Alignment**. This determination reflects the extent to which courses, instructional materials (e.g., syllabi, textbooks, articles, assignments), and practices align with the expectations established in the audit metrics and in the Ohio Revised Code.

At Wright State University, **100%** of the audit metrics are addressed, but there is evidence of **noncompliance** with Ohio's definition of the science of reading as codified in the Ohio Revised Code. A description of the number of audit metrics addressed by domain is provided in Table 2. Appendix A lists all literacy-related courses within the 12-Hour Reading and Literacy Core that provided evidence of alignment with the audit metrics. A list of audited courses in noncompliance with Ohio's definition of the science of reading is provided in Appendix B.

Table 2*Number of Metrics Addressed per Domain at Wright State University*

Metric domain	Metrics addressed
Teacher Knowledge	12 of 12
Phonological Awareness	9 of 9
Decoding and Encoding	8 of 8
Vocabulary and Oral Language	8 of 8
Reading Fluency	6 of 6
Reading Comprehension	7 of 7
Writing	9 of 9
Collaborative Problem Solving and Multi-Tiered System of Support (MTSS)	11 of 11
High-Quality Instructional Materials	3 of 3

= All metrics addressed

= Some metrics addressed

= No metrics addressed

Commendations

Commendations highlight notable accomplishments or exemplary practices documented in the audit that reflect alignment with the requirements of the Ohio Revised Code. Their purpose is to recognize, reinforce, and encourage effective practices, and to provide models for replication in other IHEs.

Commendations for Wright State University:

- **Faculty support changing curricula to meet the demands of the Ohio Revised Code, signaling a shared commitment to preparing preservice teacher candidates who are equipped to meet the needs of all readers by providing evidence-based literacy practices.**

Across all interviews conducted, faculty indicated that they support the changes required by the Ohio Revised Code. EPP leaders described their structured collaborative approach to reviewing, revising, and phasing out courses to ensure alignment with the science of

reading. EPP leaders further reported that faculty participated regularly in professional learning sessions to increase knowledge and instructional capacity related to the science of reading. The collaborative review and professional learning were supported by Ohio grant funding.

- **Faculty at the branch campus consistently demonstrate deep understanding of evidence-based literacy practices and effectively model structured literacy strategies during instruction.**

Faculty at Wright State University—Lake Campus are doing a commendable job adjusting course content in response to the Ohio Revised Code. ED 4062-01 could serve as a model for other faculty as Wright State University continues to adjust and revise syllabi, materials, and instruction to align with the Ohio Revised Code.

Recommendations

Recommendations identify areas where improvements are needed to achieve full alignment with the requirements of the Ohio Revised Code and evidence-based literacy practices.

Mandatory recommendations are required for compliance with Ohio's definition of the science of reading. Failure to adequately address mandatory recommendations will result in revocation of program approval by ODHE as required by Ohio law.

Advisory recommendations are suggestions for improvement intended as a guide toward best practices and informed by audit findings. Though implementation of advisory recommendations is not compulsory, these suggestions are intended to support continuous improvement and strengthen alignment with the science of reading.

Mandatory Recommendation for Wright State University:

1. **Continue to revise content to ensure alignment with evidence-based literacy instruction.**

Phase out courses not aligned with the science of reading, as is planned, or replace course materials and instructional practices that incorporate approaches prohibited by the Ohio Revised Code (e.g., the three-cueing approach) to ensure all current and future materials and practices are both high quality and aligned with demonstrated research (e.g., the science of reading). Course materials and instructional practices prohibited by the Ohio Revised Code exist in ED 4090-1 and ED 4090-2. Evidence of prohibited practices was found within the following textbook:

- DeVries, B. A. (2023). *Literacy assessment and intervention for classroom teachers* (6th ed.). Routledge.

This textbook embeds a cueing approach in instructional frameworks and assessment procedures. For example, DeVries (2023) discusses miscue analysis, prompting students to reflect on whether miscues “made sense,” and uses results to guide instruction. The text includes explanations of meaning, structure/syntax, and visual cueing systems and scoring, often referred to as MSV. Both EPP leaders and faculty indicated that ED-4090-1 and ED 4090-2 will phase out after the spring of 2025 and be replaced with an aligned course.

Advisory Recommendation for Wright State University:

- 1. Develop and implement an ongoing professional development plan that supports continued faculty learning.**

Faculty interviews and field observations indicated that some faculty require additional systematic training on evidence-based literacy instruction that resolves misconceptions about the science of reading, provides access to Ohio science of reading modules, and provides opportunities to engage with professional networks and research communities.

Appendix A—Metrics Addressed in Literacy-Related Courses

Tables A1 through A9 list all literacy-related courses within the 12-Hour Reading and Literacy Core that provided evidence of Wright State University's alignment with the audit metrics, separated by audit metric domain. This list is not exhaustive; however, EPP faculty can use this information to identify which, if any, courses may need revisions to be in further alignment with the audit metrics. No individual 12-Hour Reading and Literacy Core course is expected to address every audit metric.

Table A1

Courses Contributing to Evidence of Metric Alignment, Domain 1: Teacher Knowledge

Audit metric	Courses that addressed metric
1	ED 4010-01, ED 4010-02, ED 4062-01, ED 4062-2, ED 4064-02, ED 4064-1, ED 4070-90, ED 4090-1, ED 4264, ED 6010-01, ED 6010-02, ED 7500, ED 7600, EDS 6080
2	ED 4062-2
3	ED 4010-02, ED 4010, ED 4062-01, ED 4062-2, ED 4064-02, ED 4064-1, ED 4070-90, ED 6010-01, ED 6010-02, ED 6010-F25, ED 7600, ED 7650, EDS 6080
4	ED 4010-02, ED 4062-01, ED 4064-02, ED 4064-1, ED 4070-90, ED 4264, ED 6010-01, ED 6010-02, ED 7600, EDS 6080
5	ED 4010-S24, ED 4062-01, ED 4062-2, ED 4064-02, ED 4064-1, ED 4070-90, ED 6010-S24, ED 7600, EDS 6080
6	ED 4010-01, ED 4010-02, ED 4062-01, ED 4062-2, ED 4064-02, ED 4064-1, ED 6010-01, ED 6010-02, ED 7500, ED 7560, ED 7600, EDS 6080
7	ED 4010-02, ED 4062-01, ED 4062-2, ED 4064-02, ED 4064-1, ED 4070-90, ED 4090-1, ED 4090-2, ED 4262, ED 6010-01, ED 6010-02, ED 7600, EDS 6080
8	ED 4010-02, ED 4062-01, ED 4062-2, ED 4064-02, ED 4064-1, ED 4070-90, ED 4090-1, ED 4090-2, ED 6010-01, ED 6010-02, ED 7500, ED 7600, EDS 6080

Audit metric	Courses that addressed metric
9	ED 4010-01, ED 4010-02, ED 4010-S24, ED 4062-01, ED 4062-2, ED 4064-02, ED 4064-1, ED 4262, ED 6010-01, ED 6010-02, ED 6010-S24, ED 7450, ED 7600, EDS 6080
10	ED 4010-01, ED 4010-02, ED 4010-S24, ED 4010, ED 4062-01, ED 4062-2, ED 4064-02, ED 4064-1, ED 4070-90, ED 4090-1, ED 4262, ED 6010-01, ED 6010-02, ED 6010-F25, ED 7450, ED 7500, ED 7560, ED 7600, EDS 6080
11	ED 4010-02, ED 4062-01, ED 4062-2, ED 4064-1, ED 4262, ED 6010-01, ED 6010-02, ED 7600, EDS 6080
12	ED 4062-01, ED 4064-1, ED 4070-90, ED 7500, ED 7600, EDS 6080

Table A2*Courses Contributing to Evidence of Metric Alignment, Domain 2: Phonological Awareness*

Audit metric	Courses that addressed metric
13	ED 4010-01, ED 4010-02, ED 4062-01, ED 4062-2, ED 4064-02, ED 4064-1, ED 6010-01, ED 6010-02, ED 7600, EDS 6080
14	ED 4062-01, ED 4062-2, ED 4064-02, ED 4064-1, ED 4090-2, ED 7600, EDS 6080
15	ED 4062-01, ED 4062-2, ED 4064-02, ED 4064-1, ED 7600, EDS 6080
16	ED 4062-01, ED 4062-2, ED 4064-02, ED 4064-1, ED 4070-90, ED 4264, ED 7600, EDS 6080
17	ED 4062-01, ED 4062-2, ED 4064-02, ED 4064-1, ED 4070-90, ED 7600, EDS 6080
18	ED 4062-01, ED 4062-2, ED 4064-02, ED 4064-1, ED 4070-90, ED 7600, EDS 6080
19	ED 4062-01, ED 4062-2, ED 4064-1, ED 7600, EDS 6080
20	ED 4062-01, ED 4062-2, ED 4064-02, ED 4064-1, ED 4070-90, ED 7600, EDS 6080
21	ED 4062-01, ED 4064-02, ED 4064-1

Table A3*Courses Contributing to Evidence of Metric Alignment, Domain 3: Decoding and Encoding*

Audit metric	Courses that addressed metric
22	ED 4010-01, ED 4010-02, ED 4062-01, ED 4062-2, ED 4064-02, ED 4064-1, ED 6010-01, ED 6010-02, ED 7600, EDS 6080
23	ED 4062-2, ED 4064-02, ED 4064-1, ED 7600, EDS 6080
24	ED 4062-01, ED 4062-2, ED 4064-02, ED 4064-1, ED 4070-90, ED 7500, ED 7600, EDS 6080
25	ED 4062-01, ED 4062-2, ED 4064-02, ED 4064-1, ED 4070-90, ED 7600, EDS 6080
26	ED 4062-01, ED 4062-2, ED 4064-02, ED 4064-1, ED 4070-90, ED 7600, EDS 6080
27	ED 4062-01, ED 4064-02, ED 4064-1, EDS 6080
28	ED 4010-02, ED 4062-01, ED 4062-2, ED 4064-02, ED 4064-1, ED 4070-90, ED 4090-1, ED 6010-01, ED 6010-02, ED 7600, EDS 6080
29	ED 4062-01, ED 4062-2, ED 4064-02, ED 4064-1, ED 4070-90

Table A4*Courses Contributing to Evidence of Metric Alignment, Domain 4: Vocabulary and Oral Language*

Audit metric	Courses that addressed metric
30	ED 4010-01, ED 4010-02, ED 4010-S24, ED 4062-01, ED 4062-2, ED 4064-02, ED 4064-1, ED 4070-90, ED 4262, ED 6010-01, ED 6010-02, ED 6010-S24, ED 7450, ED 7500, ED 7600, EDS 6080
31	ED 4010-01, ED 4010-02, ED 4010-S24, ED 4010, ED 4062-01, ED 4062-2, ED 4064-02, ED 4064-1, ED 4070-90, ED 4262, ED 6010-01, ED 6010-02, ED 6010-F25, ED 6010-S24, ED 7450, ED 7600, EDS 6080
32	ED 4010-02, ED 4010, ED 4062-01, ED 4062-2, ED 4064-02, ED 4064-1, ED 4070-90, ED 4090-2, ED 4262, ED 4264, ED 6010-01, ED 6010-02, ED 6010-F25, ED 7600, EDS 6080
33	ED 4010-02, ED 4010-S24, ED 4062-01, ED 4062-2, ED 4064-02, ED 4064-1, ED 4070-90, ED 6010-01, ED 6010-02, ED 6010-S24, ED 7450, ED 7600
34	ED 4010-02, ED 4010-S24, ED 4062-01, ED 4062-2, ED 4070-90, ED 4262, ED 6010-01, ED 6010-02, ED 6010-S24, ED 7450, ED 7560, ED 7600
35	ED 4010-02, ED 4010-S24, ED 4062-01, ED 4062-2, ED 4064-1, ED 4070-90, ED 4262, ED 4264, ED 6010-01, ED 6010-02, ED 6010-S24, ED 7450, ED 7500, EDS 6080
36	ED 4010-02, ED 4010-S24, ED 4070-90, ED 6010-01, ED 6010-02, ED 6010-S24, ED 7450, ED 7600, EDS 6080
37	ED 4010-02, ED 4010-S24, ED 4062-01, ED 4062-2, ED 4064-02, ED 4064-1, ED 4090-2, ED 6010-01, ED 6010-02, ED 6010-S24, ED 7450, ED 7600

Table A5*Courses Contributing to Evidence of Metric Alignment, Domain 5: Reading Fluency*

Audit metric	Courses that addressed metric
38	ED 4010-02, ED 4062-01, ED 4062-2, ED 4064-02, ED 4064-1, ED 4090-2, ED 4262, ED 6010-01, ED 6010-02, ED 7500, ED 7600, EDS 6080
39	ED 4010-02, ED 4062-01, ED 4062-2, ED 4064-02, ED 4064-1, ED 4090-1, ED 4262, ED 6010-01, ED 6010-02, ED 7600, EDS 6080
40	ED 4010-02, ED 4062-01, ED 4062-2, ED 4064-02, ED 4064-1, ED 4262, ED 6010-01, ED 6010-02, ED 7600, EDS 6080
41	ED 4062-01, ED 4062-2, ED 4264, ED 7500, ED 7560, EDS 6080
42	ED 4070-90, ED 4262, ED 7600, EDS 6080
43	ED 7600

Table A6*Courses Contributing to Evidence of Metric Alignment, Domain 6: Reading Comprehension*

Audit metric	Courses that addressed metric
44	ED 4010-01, ED 4010-02, ED 4010-S24, ED 4010, ED 4062-01, ED 4062-2, ED 4064-02, ED 4064-1, ED 4070-90, ED 4090-1, ED 4090-2, ED 4262, ED 6010-01, ED 6010-02, ED 6010-F25, ED 6010-S24, ED 7450, ED 7500, ED 7600, EDS 6080
45	ED 4010-S24, ED 4064-02, ED 4264, ED 6010-S24, ED 7450, ED 7600, EDS 6080
46	ED 4010-02, ED 4010-S24, ED 4062-01, ED 4062-2, ED 4064-02, ED 4064-1, ED 4070-90, ED 4262, ED 4264, ED 6010-01, ED 6010-02, ED 6010-S24, ED 7450, ED 7600, EDS 6080
47	ED 4010-01, ED 4010-02, ED 4010-S24, ED 4062-01, ED 4070-90, ED 4090-1, ED 4090-2, ED 4262, ED 6010-01, ED 6010-02, ED 6010-S24, ED 7450, ED 7560, EDS 6080
48	ED 4010-02, ED 4010-S24, ED 4010, ED 4062-01, ED 4062-2, ED 4064-02, ED 4064-1, ED 4070-90, ED 4090-2, ED 4262, ED 6010-01, ED 6010-02, ED 6010-F25, ED 6010-S24, ED 7450, ED 7500, ED 7600
49	ED 4010-01, ED 4010-02, ED 4010-S24, ED 4010, ED 4062-01, ED 4062-2, ED 4064-02, ED 4064-1, ED 4090-2, ED 4262, ED 4264, ED 6010-01, ED 6010-02, ED 6010-F25, ED 6010-S24, ED 7450, ED 7500, ED 7600, ED 7650
50	ED 4010-02, ED 4010-S24, ED 4090-1, ED 4090-2, ED 6010-01, ED 6010-02, ED 6010-S24, ED 7450

Table A7*Courses Contributing to Evidence of Metric Alignment, Domain 7: Writing*

Audit metric	Courses that addressed metric
51	ED 4010-02, ED 4090-2, ED 4262, ED 4264, ED 6010-01, ED 6010-02, ED 7600, EDS 6080
52	ED 4010-01, ED 4010-02, ED 4010-S24, ED 4010, ED 4062-2, ED 4064-02, ED 4064-1, ED 4070-90, ED 4262, ED 4264, ED 6010-01, ED 6010-02, ED 6010-F25, ED 6010-S24, ED 7450, ED 7500, ED 7600, EDS 6080
53	ED 4062-01, ED 4062-2, ED 4064-02, ED 4064-1, ED 4264, ED 7600, EDS 6080
54	ED 4010-02, ED 4070-90, ED 4262, ED 4264, ED 6010-01, ED 6010-02, ED 7600, EDS 6080
55	ED 4010-01, ED 4010-02, ED 4010-S24, ED 4070-90, ED 4264, ED 6010-01, ED 6010-02, ED 6010-S24, ED 7450, ED 7500, ED 7560, ED 7600, EDS 6080
56	ED 4010-02, ED 4010-S24, ED 4062-01, ED 4062-2, ED 4064-02, ED 4064-1, ED 4070-90, ED 4264, ED 7450, ED 7600, EDS 6080
57	ED 4010-02, ED 4010-S24, ED 4010, ED 4062-01, ED 4064-02, ED 4064-1, ED 4262, ED 4264, ED 6010-01, ED 6010-02, ED 6010-F25, ED 6010-S24, ED 7450, ED 7600, EDS 6080
58	ED 4010-02, ED 4010-S24, ED 4262, ED 4264, ED 6010-01, ED 6010-02, ED 7450, ED 7600
59	ED 4010-02, ED 4262, ED 4264, ED 6010-01, ED 6010-02, ED 7600, EDS 6080

Table A8

Courses Contributing to Evidence of Metric Alignment, Domain 8: Collaborative Problem Solving and MTSS

Audit metric	Courses that addressed metric
60	ED 4062-01, ED 4062-2, ED 4064-02, ED 4064-1, ED 4262, ED 7560, ED 7600, EDS 6080
61	ED 4010-01, ED 4010-02, ED 4062-01, ED 4062-2, ED 4064-02, ED 4064-1, ED 4090-1, ED 4090-2, ED 4262, ED 6010-01, ED 6010-02, ED 7500, ED 7560, ED 7600, EDS 6080
62	ED 4062-2, ED 4262, ED 7600, EDS 6080
63	ED 4062-01, ED 4062-2, ED 4064-02, ED 4064-1, ED 4262, ED 7600
64	ED 4062-2, ED 4064-02, ED 4262, ED 7600, EDS 6080
65	ED 4010-02, ED 4062-01, ED 4062-2, ED 4064-02, ED 4064-1, ED 4090-1, ED 4262, ED 6010-01, ED 6010-02, ED 7500, ED 7560, ED 7600, EDS 6080
66	ED 4010-02, ED 4062-2, ED 4262, ED 6010-01, ED 6010-02, ED 7600, EDS 6080
67	ED 4010-01, ED 4010-02, ED 4010, ED 4062-01, ED 4062-2, ED 4064-02, ED 4064-1, ED 4070-90, ED 4262, ED 6010-01, ED 6010-02, ED 6010-F25, ED 7500, ED 7560, ED 7600, EDS 6080
68	ED 4010-01, ED 4010-02, ED 4062-01, ED 4062-2, ED 4064-1, ED 4070-90, ED 4090-2, ED 4262, ED 6010-01, ED 6010-02, ED 7500, ED 7600, EDS 6080
69	ED 4010-S24, ED 4062-01, ED 4062-2, ED 4064-02, ED 4064-1, ED 4070-90, ED 4090-1, ED 4262, ED 4264, ED 6010-S24, ED 7450, ED 7600, ED 7650, EDS 6080
70	ED 4010-01, ED 4010-02, ED 4010-S24, ED 4062-2, ED 4064-1, ED 4070-90, ED 6010-01, ED 6010-02, ED 6010-S24, ED 7450, ED 7500, ED 7560, ED 7600, EDS 6080

Table A9

Courses Contributing to Evidence of Metric Alignment, Domain 9: High-Quality Instructional Materials

Audit metric	Courses that addressed metric
71	ED 4010-02, ED 4062-01, ED 4062-2, ED 4064-02, ED 4064-1, ED 4262, ED 6010-01, ED 6010-02
72	ED 4062-01, ED 4062-2, ED 4064-02, ED 4064-1, ED 4262, ED 4264, EDS 6080
73	ED 4010-01, ED 4062-01, ED 4062-2, ED 4064-02, ED 4064-1, ED 4090-2, ED 4262, ED 4264, ED 6010-01, ED 6010-02, ED 7560

Appendix B—Courses With Evidence of Noncompliance

Table B1 provides a list of course sections at Wright State University determined to be out of alignment with Ohio's definition of the science of reading as codified in the Ohio Revised Code.

Table B1

Audited Courses Not Aligned With Ohio's Science of Reading Definition

Course	Data source(s) not aligned
ED 4090-1	Textbooks
ED 4090-2	Textbooks, observations