

## Mathematics Resources

Grade 3 Math .....	Page 2
Grade 4 Math .....	Page 4
Grade 5 Math .....	Page 6
Grade 6 Math .....	Page 8
Grade 7 Math .....	Page 10
Grade 8 Math .....	Page 12
Algebra I .....	Page 14
Geometry .....	Page 16
Integrated Math I .....	Page 18
Integrated Math II .....	Page 20

## Mathematics, Grade 3 Resources

These assessment and instruction resources have been compiled to help teachers support student learning.

- **Learning Standards**  
Identify what students should know and be able to do. The standards explain the knowledge and skills students are learning in pre-kindergarten through grade 12.  
<http://education.ohio.gov/getattachment/Topics/Learning-in-Ohio/Mathematics/Ohio-s-Learning-Standards-in-Mathematics/MATH-Standards-Grade-3.pdf.aspx?lang=en-US>
- **Model Curriculum**  
The model curriculum is a tool that provides educators with information that clarifies the learning standards and sets the foundation for planning and developing instruction aligned to Ohio's Learning Standards for each content area.  
[http://education.ohio.gov/getattachment/Topics/Learning-in-Ohio/Mathematics/Model-Curricula-in-Mathematics/Grade-3\\_Math\\_Model-Curriculum.pdf.aspx?lang=en-US](http://education.ohio.gov/getattachment/Topics/Learning-in-Ohio/Mathematics/Model-Curricula-in-Mathematics/Grade-3_Math_Model-Curriculum.pdf.aspx?lang=en-US)
- **K-8 Learning Progressions**  
Learning progression statements provide educators with a general description of the knowledge and skills students learned prior to that grade level/band, and the knowledge and skills students are expected to learn in the next grade level/band. Progressions reflect the gradual development of skills over time.  
<http://education.ohio.gov/getattachment/Topics/Learning-in-Ohio/Mathematics/Ohio-s-Learning-Standards-in-Mathematics/Ohio-s-K-8-Learning-Progressions.pdf.aspx?lang=en-US>
- **K-8 Critical Areas of Focus**  
The critical areas for instruction are designed to bring focus to the standards at each grade level by describing the big ideas educators can use to build their curriculum and to guide instruction. They are intended to facilitate discussion and to encourage coherence in the sequence, pacing and units of study for each grade-level curricula.  
<http://education.ohio.gov/getattachment/Topics/Learning-in-Ohio/Mathematics/Ohio-s-Learning-Standards-in-Mathematics/K-8-Critical-Areas-of-Focus-3-7-17.pdf.aspx?lang=en-US>
- **Test Specifications**  
The Ohio Department of Education has released a set of test specification documents, including descriptions of the assessment components and item types, assessment blueprints, and item specifications, to help educators and the general public better understand the design of Ohio's State Tests. These documents are used to guide the development of the Ohio's State Tests.  
<https://oh.portal.cambiumast.com/resources/general-resources/>
- **Blueprint**  
Test blueprints serve as a guide for test construction and provide an outline of the content and skills to be measured on the test. They contain information about individual tests, including the number of test items, the number of points on the test, and show how the learning standards are grouped in order to report the test results. All learning standards identified on the blueprint are eligible to appear on a test form and should be taught during instruction.  
<https://oh.portal.cambiumast.com/resources/general-resources/>

- Performance Level Descriptors (PLDs)  
PLDs are the link between Ohio’s Learning Standards and performance standards. They were developed by Ohio educators and other content experts to illustrate the typical demonstration of the learning for each of the five performance levels: Limited, Basic, Proficient, Accelerated and Advanced.

<https://oh.portal.cambiumast.com/resources/reporting-resources/>

- Depth of Knowledge  
The depth of knowledge (DOK) level describes the level of understanding required to answer a question or perform an activity not whether the task is considered “difficult.” What mental processing, or cognitive rigor, must occur for a student to complete the task?

To find a description of Depth of Knowledge for Mathematics use the following link.

[http://education.ohio.gov/getattachment/Topics/Learning-in-Ohio/Mathematics/Resources-for-Mathematics/Curriculum-and-Instruction-Resources-for-Mathemati/DOKmath\\_descriptors\\_by\\_level.pdf.aspx](http://education.ohio.gov/getattachment/Topics/Learning-in-Ohio/Mathematics/Resources-for-Mathematics/Curriculum-and-Instruction-Resources-for-Mathemati/DOKmath_descriptors_by_level.pdf.aspx)

Additional information about Depth of Knowledge for Mathematics can be found at the following link.

<http://education.ohio.gov/Topics/Learning-in-Ohio/Mathematics/Resources-for-Mathematics/Curriculum-and-Instruction-Resources-for-Mathemati>

- Ohio’s State Tests: Item Development Sequence  
<http://education.ohio.gov/getattachment/Topics/Testing/Assessment-Committees/Item-Development-Sequence.pdf.aspx?lang=en-US>
- Test Specifications – How to Use  
[https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Test-Specifications\\_Accessible-5-18-20-jh-1.pdf.aspx?lang=en-US](https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Test-Specifications_Accessible-5-18-20-jh-1.pdf.aspx?lang=en-US)
- Test Blueprints – How to Use [https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Test-Blueprints\\_Accessible-5-18-20-jh.pdf.aspx?lang=en-US](https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Test-Blueprints_Accessible-5-18-20-jh.pdf.aspx?lang=en-US)
- Roadmap to Ohio’s Assessment Development Resources  
[https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Map-of-Assessment-Dev-to-Classroom-Asesment\\_Accessible-5-18-20-jh.pdf.aspx?lang=en-US](https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Map-of-Assessment-Dev-to-Classroom-Asesment_Accessible-5-18-20-jh.pdf.aspx?lang=en-US)
- Understanding Formative, Interim and Summative Assessments  
[https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Integrating-Formative-and-Summative\\_Accessible-5-18-20-jh.pdf.aspx?lang=en-US](https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Integrating-Formative-and-Summative_Accessible-5-18-20-jh.pdf.aspx?lang=en-US)
- Additional Resources for Grade 3 Math: <https://education.ohio.gov/Topics/Learning-in-Ohio/Mathematics/Assessments-in-Mathematics/Grade-3-%E2%80%93-Mathematics>

## Mathematics, Grade 4 Resources

These assessment and instruction resources have been compiled to help teachers support student learning.

- **Learning Standards**  
Identify what students should know and be able to do. The standards explain the knowledge and skills students are learning in pre-kindergarten through grade 12.  
<http://education.ohio.gov/getattachment/Topics/Learning-in-Ohio/Mathematics/Ohio-s-Learning-Standards-in-Mathematics/MATH-Standards-Grade-4.pdf.aspx?lang=en-US>
- **Model Curriculum**  
The model curriculum is a tool that provides educators with information that clarifies the learning standards and sets the foundation for planning and developing instruction aligned to Ohio's Learning Standards for each content area.  
[http://education.ohio.gov/getattachment/Topics/Learning-in-Ohio/Mathematics/Model-Curricula-in-Mathematics/Grade-4\\_Math\\_Model-Curriculum.pdf.aspx?lang=en-US](http://education.ohio.gov/getattachment/Topics/Learning-in-Ohio/Mathematics/Model-Curricula-in-Mathematics/Grade-4_Math_Model-Curriculum.pdf.aspx?lang=en-US)
- **K-8 Learning Progressions**  
Learning progression statements provide educators with a general description of the knowledge and skills students learned prior to that grade level/band, and the knowledge and skills students are expected to learn in the next grade level/band. Progressions reflect the gradual development of skills over time.  
<http://education.ohio.gov/getattachment/Topics/Learning-in-Ohio/Mathematics/Ohio-s-Learning-Standards-in-Mathematics/Ohio-s-K-8-Learning-Progressions.pdf.aspx?lang=en-US>
- **K-8 Critical Areas of Focus**  
The critical areas for instruction are designed to bring focus to the standards at each grade level by describing the big ideas educators can use to build their curriculum and to guide instruction. They are intended to facilitate discussion and to encourage coherence in the sequence, pacing and units of study for each grade-level curricula.  
<http://education.ohio.gov/getattachment/Topics/Learning-in-Ohio/Mathematics/Ohio-s-Learning-Standards-in-Mathematics/K-8-Critical-Areas-of-Focus-3-7-17.pdf.aspx?lang=en-US>
- **Test Specifications**  
The Ohio Department of Education has released a set of test specification documents, including descriptions of the assessment components and item types, assessment blueprints, and item specifications, to help educators and the general public better understand the design of Ohio's State Tests. These documents are used to guide the development of the Ohio's State Tests.  
<https://oh.portal.cambiumast.com/resources/general-resources/>
- **Blueprint**  
Test blueprints serve as a guide for test construction and provide an outline of the content and skills to be measured on the test. They contain information about individual tests, including the number of test items, the number of points on the test, and show how the learning standards are grouped in order to report the test results. All learning standards identified on the blueprint are eligible to appear on a test form and should be taught during instruction.  
<https://oh.portal.cambiumast.com/resources/general-resources/>

- Performance Level Descriptors (PLDs)  
PLDs are the link between Ohio’s Learning Standards and performance standards. They were developed by Ohio educators and other content experts to illustrate the typical demonstration of the learning for each of the five performance levels: Limited, Basic, Proficient, Accelerated and Advanced.

<https://oh.portal.cambiumast.com/resources/reporting-resources/>

- Depth of Knowledge  
The depth of knowledge (DOK) level describes the level of understanding required to answer a question or perform an activity not whether the task is considered “difficult.” What mental processing, or cognitive rigor, must occur for a student to complete the task?

To find a description of Depth of Knowledge for Mathematics use the following link.

[http://education.ohio.gov/getattachment/Topics/Learning-in-Ohio/Mathematics/Resources-for-Mathematics/Curriculum-and-Instruction-Resources-for-Mathemati/DOKmath\\_descriptors\\_by\\_level.pdf.aspx](http://education.ohio.gov/getattachment/Topics/Learning-in-Ohio/Mathematics/Resources-for-Mathematics/Curriculum-and-Instruction-Resources-for-Mathemati/DOKmath_descriptors_by_level.pdf.aspx)

Additional information about Depth of Knowledge for Mathematics can be found at the following link.

<http://education.ohio.gov/Topics/Learning-in-Ohio/Mathematics/Resources-for-Mathematics/Curriculum-and-Instruction-Resources-for-Mathemati>

- Ohio’s State Tests: Item Development Sequence  
<http://education.ohio.gov/getattachment/Topics/Testing/Assessment-Committees/Item-Development-Sequence.pdf.aspx?lang=en-US>
- Test Specifications – How to Use  
[https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Test-Specifications\\_Accessible-5-18-20-jh-1.pdf.aspx?lang=en-US](https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Test-Specifications_Accessible-5-18-20-jh-1.pdf.aspx?lang=en-US)
- Test Blueprints – How to Use [https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Test-Blueprints\\_Accessible-5-18-20-jh.pdf.aspx?lang=en-US](https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Test-Blueprints_Accessible-5-18-20-jh.pdf.aspx?lang=en-US)
- Roadmap to Ohio’s Assessment Development Resources  
[https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Map-of-Assessment-Dev-to-Classroom-Asesment\\_Accessible-5-18-20-jh.pdf.aspx?lang=en-US](https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Map-of-Assessment-Dev-to-Classroom-Asesment_Accessible-5-18-20-jh.pdf.aspx?lang=en-US)
- Understanding Formative, Interim and Summative Assessments  
[https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Integrating-Formative-and-Summative\\_Accessible-5-18-20-jh.pdf.aspx?lang=en-US](https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Integrating-Formative-and-Summative_Accessible-5-18-20-jh.pdf.aspx?lang=en-US)
- Additional Resources for Grade 4 Math: <https://education.ohio.gov/Topics/Learning-in-Ohio/Mathematics/Assessments-in-Mathematics/Grade-4-%E2%80%93-Mathematics>

## Mathematics, Grade 5 Resources

These assessment and instruction resources have been compiled to help teachers support student learning.

- **Learning Standards**  
Identify what students should know and be able to do. The standards explain the knowledge and skills students are learning in pre-kindergarten through grade 12.  
<http://education.ohio.gov/getattachment/Topics/Learning-in-Ohio/Mathematics/Ohio-s-Learning-Standards-in-Mathematics/MATH-Standards-Grade-5.pdf.aspx?lang=en-US>
- **Model Curriculum**  
The model curriculum is a tool that provides educators with information that clarifies the learning standards and sets the foundation for planning and developing instruction aligned to Ohio's Learning Standards for each content area.  
[http://education.ohio.gov/getattachment/Topics/Learning-in-Ohio/Mathematics/Model-Curricula-in-Mathematics/Grade-5\\_Math\\_Model-Curriculum.pdf.aspx?lang=en-US](http://education.ohio.gov/getattachment/Topics/Learning-in-Ohio/Mathematics/Model-Curricula-in-Mathematics/Grade-5_Math_Model-Curriculum.pdf.aspx?lang=en-US)
- **K-8 Learning Progressions**  
Learning progression statements provide educators with a general description of the knowledge and skills students learned prior to that grade level/band, and the knowledge and skills students are expected to learn in the next grade level/band. Progressions reflect the gradual development of skills over time.  
<http://education.ohio.gov/getattachment/Topics/Learning-in-Ohio/Mathematics/Ohio-s-Learning-Standards-in-Mathematics/Ohio-s-K-8-Learning-Progressions.pdf.aspx?lang=en-US>
- **K-8 Critical Areas of Focus**  
The critical areas for instruction are designed to bring focus to the standards at each grade level by describing the big ideas educators can use to build their curriculum and to guide instruction. They are intended to facilitate discussion and to encourage coherence in the sequence, pacing and units of study for each grade-level curricula.  
<http://education.ohio.gov/getattachment/Topics/Learning-in-Ohio/Mathematics/Ohio-s-Learning-Standards-in-Mathematics/K-8-Critical-Areas-of-Focus-3-7-17.pdf.aspx?lang=en-US>
- **Test Specifications**  
The Ohio Department of Education has released a set of test specification documents, including descriptions of the assessment components and item types, assessment blueprints, and item specifications, to help educators and the general public better understand the design of Ohio's State Tests. These documents are used to guide the development of the Ohio's State Tests.  
<https://oh.portal.cambiumast.com/resources/general-resources/>
- **Blueprint**  
Test blueprints serve as a guide for test construction and provide an outline of the content and skills to be measured on the test. They contain information about individual tests, including the number of test items, the number of points on the test, and show how the learning standards are grouped in order to report the test results. All learning standards identified on the blueprint are eligible to appear on a test form and should be taught during instruction.  
<https://oh.portal.cambiumast.com/resources/general-resources/>

- Performance Level Descriptors (PLDs)  
PLDs are the link between Ohio’s Learning Standards and performance standards. They were developed by Ohio educators and other content experts to illustrate the typical demonstration of the learning for each of the five performance levels: Limited, Basic, Proficient, Accelerated and Advanced.

<https://oh.portal.cambiumast.com/resources/reporting-resources/>

- Depth of Knowledge  
The depth of knowledge (DOK) level describes the level of understanding required to answer a question or perform an activity not whether the task is considered “difficult.” What mental processing, or cognitive rigor, must occur for a student to complete the task?

To find a description of Depth of Knowledge for Mathematics use the following link.

[http://education.ohio.gov/getattachment/Topics/Learning-in-Ohio/Mathematics/Resources-for-Mathematics/Curriculum-and-Instruction-Resources-for-Mathemati/DOKmath\\_descriptors\\_by\\_level.pdf.aspx](http://education.ohio.gov/getattachment/Topics/Learning-in-Ohio/Mathematics/Resources-for-Mathematics/Curriculum-and-Instruction-Resources-for-Mathemati/DOKmath_descriptors_by_level.pdf.aspx)

Additional information about Depth of Knowledge for Mathematics can be found at the following link.

<http://education.ohio.gov/Topics/Learning-in-Ohio/Mathematics/Resources-for-Mathematics/Curriculum-and-Instruction-Resources-for-Mathemati>

- Ohio’s State Tests: Item Development Sequence  
<http://education.ohio.gov/getattachment/Topics/Testing/Assessment-Committees/Item-Development-Sequence.pdf.aspx?lang=en-US>
- Test Specifications – How to Use  
[https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Test-Specifications\\_Accessible-5-18-20-jh-1.pdf.aspx?lang=en-US](https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Test-Specifications_Accessible-5-18-20-jh-1.pdf.aspx?lang=en-US)
- Test Blueprints – How to Use [https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Test-Blueprints\\_Accessible-5-18-20-jh.pdf.aspx?lang=en-US](https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Test-Blueprints_Accessible-5-18-20-jh.pdf.aspx?lang=en-US)
- Roadmap to Ohio’s Assessment Development Resources  
[https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Map-of-Assessment-Dev-to-Classroom-Assesment\\_Accessible-5-18-20-jh.pdf.aspx?lang=en-US](https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Map-of-Assessment-Dev-to-Classroom-Assesment_Accessible-5-18-20-jh.pdf.aspx?lang=en-US)
- Understanding Formative, Interim and Summative Assessments  
[https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Integrating-Formative-and-Summative\\_Accessible-5-18-20-jh.pdf.aspx?lang=en-US](https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Integrating-Formative-and-Summative_Accessible-5-18-20-jh.pdf.aspx?lang=en-US)
- Additional Resources for Grade 5 Math: <https://education.ohio.gov/Topics/Learning-in-Ohio/Mathematics/Assessments-in-Mathematics/Grade-5-%E2%80%93-Mathematics>

## Mathematics, Grade 6 Resources

These assessment and instruction resources have been compiled to help teachers support student learning.

- **Learning Standards**  
Identify what students should know and be able to do. The standards explain the knowledge and skills students are learning in pre-kindergarten through grade 12.  
<http://education.ohio.gov/getattachment/Topics/Learning-in-Ohio/Mathematics/Ohio-s-Learning-Standards-in-Mathematics/MATH-Standards-Grade-6.pdf.aspx?lang=en-US>
- **Model Curriculum**  
The model curriculum is a tool that provides educators with information that clarifies the learning standards and sets the foundation for planning and developing instruction aligned to Ohio's Learning Standards for each content area. [http://education.ohio.gov/getattachment/Topics/Learning-in-Ohio/Mathematics/Model-Curricula-in-Mathematics/Grade-6\\_Math\\_Instructional\\_Supports.pdf.aspx?lang=en-US](http://education.ohio.gov/getattachment/Topics/Learning-in-Ohio/Mathematics/Model-Curricula-in-Mathematics/Grade-6_Math_Instructional_Supports.pdf.aspx?lang=en-US)
- **K-8 Learning Progressions**  
Learning progression statements provide educators with a general description of the knowledge and skills students learned prior to that grade level/band, and the knowledge and skills students are expected to learn in the next grade level/band. Progressions reflect the gradual development of skills over time.  
<http://education.ohio.gov/getattachment/Topics/Learning-in-Ohio/Mathematics/Ohio-s-Learning-Standards-in-Mathematics/Ohio-s-K-8-Learning-Progressions.pdf.aspx?lang=en-US>
- **K-8 Critical Areas of Focus**  
The critical areas for instruction are designed to bring focus to the standards at each grade level by describing the big ideas educators can use to build their curriculum and to guide instruction. They are intended to facilitate discussion and to encourage coherence in the sequence, pacing and units of study for each grade-level curriculum.  
<http://education.ohio.gov/getattachment/Topics/Learning-in-Ohio/Mathematics/Ohio-s-Learning-Standards-in-Mathematics/K-8-Critical-Areas-of-Focus-3-7-17.pdf.aspx?lang=en-US>
- **Test Specifications**  
The Ohio Department of Education has released a set of test specification documents, including descriptions of the assessment components and item types, assessment blueprints, and item specifications, to help educators and the general public better understand the design of Ohio's State Tests. These documents are used to guide the development of the Ohio's State Tests.  
<https://oh.portal.cambiumast.com/resources/general-resources/>
- **Blueprint**  
Test blueprints serve as a guide for test construction and provide an outline of the content and skills to be measured on the test. They contain information about individual tests, including the number of test items, the number of points on the test, and show how the learning standards are grouped in order to report the test results. All learning standards identified on the blueprint are eligible to appear on a test form and should be taught during instruction.  
<https://oh.portal.cambiumast.com/resources/general-resources/>

- Performance Level Descriptors (PLDs)  
PLDs are the link between Ohio’s Learning Standards and performance standards. They were developed by Ohio educators and other content experts to illustrate the typical demonstration of the learning for each of the five performance levels: Limited, Basic, Proficient, Accelerated and Advanced.  
<https://oh.portal.cambiumast.com/resources/reporting-resources/>
- Depth of Knowledge  
The depth of knowledge (DOK) level describes the level of understanding required to answer a question or perform an activity not whether the task is considered “difficult.” What mental processing, or cognitive rigor, must occur for a student to complete the task?

To find a description of Depth of Knowledge for Mathematics use the following link.

[http://education.ohio.gov/getattachment/Topics/Learning-in-Ohio/Mathematics/Resources-for-Mathematics/Curriculum-and-Instruction-Resources-for-Mathemati/DOKmath\\_descriptors\\_by\\_level.pdf.aspx](http://education.ohio.gov/getattachment/Topics/Learning-in-Ohio/Mathematics/Resources-for-Mathematics/Curriculum-and-Instruction-Resources-for-Mathemati/DOKmath_descriptors_by_level.pdf.aspx)

Additional information about Depth of Knowledge for Mathematics can be found at the following link.

<http://education.ohio.gov/Topics/Learning-in-Ohio/Mathematics/Resources-for-Mathematics/Curriculum-and-Instruction-Resources-for-Mathemati>

- Ohio’s State Tests: Item Development Sequence  
<http://education.ohio.gov/getattachment/Topics/Testing/Assessment-Committees/Item-Development-Sequence.pdf.aspx?lang=en-US>
- Test Specifications – How to Use [https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Test-Specifications\\_Accessible-5-18-20-jh-1.pdf.aspx?lang=en-US](https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Test-Specifications_Accessible-5-18-20-jh-1.pdf.aspx?lang=en-US)
- Test Blueprints – How to Use [https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Test-Blueprints\\_Accessible-5-18-20-jh.pdf.aspx?lang=en-US](https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Test-Blueprints_Accessible-5-18-20-jh.pdf.aspx?lang=en-US)
- Roadmap to Ohio’s Assessment Development Resources  
[https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Map-of-Assessment-Dev-to-Classroom-Assesment\\_Accessible-5-18-20-jh.pdf.aspx?lang=en-US](https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Map-of-Assessment-Dev-to-Classroom-Assesment_Accessible-5-18-20-jh.pdf.aspx?lang=en-US)
- Understanding Formative, Interim and Summative Assessments  
[https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Integrating-Formative-and-Summative\\_Accessible-5-18-20-jh.pdf.aspx?lang=en-US](https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Integrating-Formative-and-Summative_Accessible-5-18-20-jh.pdf.aspx?lang=en-US)
- Additional Resources for Grade 6 Math: <https://education.ohio.gov/Topics/Learning-in-Ohio/Mathematics/Assessments-in-Mathematics/Grade-6-%E2%80%93-Mathematics>

## Mathematics, Grade 7 Resources

These assessment and instruction resources have been compiled to help teachers support student learning.

- **Learning Standards**  
Identify what students should know and be able to do. The standards explain the knowledge and skills students are learning in pre-kindergarten through grade 12.  
<http://education.ohio.gov/getattachment/Topics/Learning-in-Ohio/Mathematics/Ohio-s-Learning-Standards-in-Mathematics/MATH-Standards-Grade-7.pdf.aspx?lang=en-US>
- **Model Curriculum**  
The model curriculum is a tool that provides educators with information that clarifies the learning standards and sets the foundation for planning and developing instruction aligned to Ohio's Learning Standards for each content area.  
[http://education.ohio.gov/getattachment/Topics/Learning-in-Ohio/Mathematics/Model-Curricula-in-Mathematics/Grade-7\\_Math\\_Instructional\\_Supports.pdf.aspx?lang=en-US](http://education.ohio.gov/getattachment/Topics/Learning-in-Ohio/Mathematics/Model-Curricula-in-Mathematics/Grade-7_Math_Instructional_Supports.pdf.aspx?lang=en-US)
- **K-8 Learning Progressions**  
Learning progression statements provide educators with a general description of the knowledge and skills students learned prior to that grade level/band, and the knowledge and skills students are expected to learn in the next grade level/band. Progressions reflect the gradual development of skills over time.  
<http://education.ohio.gov/getattachment/Topics/Learning-in-Ohio/Mathematics/Ohio-s-Learning-Standards-in-Mathematics/Ohio-s-K-8-Learning-Progressions.pdf.aspx?lang=en-US>
- **K-8 Critical Areas of Focus**  
The critical areas for instruction are designed to bring focus to the standards at each grade level by describing the big ideas educators can use to build their curriculum and to guide instruction. They are intended to facilitate discussion and to encourage coherence in the sequence, pacing and units of study for each grade-level curriculum.  
<http://education.ohio.gov/getattachment/Topics/Learning-in-Ohio/Mathematics/Ohio-s-Learning-Standards-in-Mathematics/K-8-Critical-Areas-of-Focus-3-7-17.pdf.aspx?lang=en-US>
- **Test Specifications**  
The Ohio Department of Education has released a set of test specification documents, including descriptions of the assessment components and item types, assessment blueprints, and item specifications, to help educators and the general public better understand the design of Ohio's State Tests. These documents are used to guide the development of the Ohio's State Tests.  
<https://oh.portal.cambiumast.com/resources/general-resources/>
- **Blueprint**  
Test blueprints serve as a guide for test construction and provide an outline of the content and skills to be measured on the test. They contain information about individual tests, including the number of test items, the number of points on the test, and show how the learning standards are grouped in order to report the test results. All learning standards identified on the blueprint are eligible to appear on a test form and should be taught during instruction.  
<https://oh.portal.cambiumast.com/resources/general-resources/>

- Performance Level Descriptors (PLDs)  
PLDs are the link between Ohio’s Learning Standards and performance standards. They were developed by Ohio educators and other content experts to illustrate the typical demonstration of the learning for each of the five performance levels: Limited, Basic, Proficient, Accelerated and Advanced.  
<https://oh.portal.cambiumast.com/resources/reporting-resources/>

- Depth of Knowledge  
The depth of knowledge (DOK) level describes the level of understanding required to answer a question or perform an activity not whether the task is considered “difficult.” What mental processing, or cognitive rigor, must occur for a student to complete the task?

To find a description of Depth of Knowledge for Mathematics use the following link.

[http://education.ohio.gov/getattachment/Topics/Learning-in-Ohio/Mathematics/Resources-for-Mathematics/Curriculum-and-Instruction-Resources-for-Mathemati/DOKmath\\_descriptors\\_by\\_level.pdf.aspx](http://education.ohio.gov/getattachment/Topics/Learning-in-Ohio/Mathematics/Resources-for-Mathematics/Curriculum-and-Instruction-Resources-for-Mathemati/DOKmath_descriptors_by_level.pdf.aspx)

Additional information about Depth of Knowledge for Mathematics can be found at the following link.

<http://education.ohio.gov/Topics/Learning-in-Ohio/Mathematics/Resources-for-Mathematics/Curriculum-and-Instruction-Resources-for-Mathemati>

- Ohio’s State Tests: Item Development Sequence  
<http://education.ohio.gov/getattachment/Topics/Testing/Assessment-Committees/Item-Development-Sequence.pdf.aspx?lang=en-US>
- Test Specifications – How to Use [https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Test-Specifications\\_Accessible-5-18-20-jh-1.pdf.aspx?lang=en-US](https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Test-Specifications_Accessible-5-18-20-jh-1.pdf.aspx?lang=en-US)
- Test Blueprints – How to Use [https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Test-Blueprints\\_Accessible-5-18-20-jh.pdf.aspx?lang=en-US](https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Test-Blueprints_Accessible-5-18-20-jh.pdf.aspx?lang=en-US)
- Roadmap to Ohio’s Assessment Development Resources  
[https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Map-of-Assessment-Dev-to-Classroom-Assesment\\_Accessible-5-18-20-jh.pdf.aspx?lang=en-US](https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Map-of-Assessment-Dev-to-Classroom-Assesment_Accessible-5-18-20-jh.pdf.aspx?lang=en-US)
- Understanding Formative, Interim and Summative Assessments  
[https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Integrating-Formative-and-Summative\\_Accessible-5-18-20-jh.pdf.aspx?lang=en-US](https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Integrating-Formative-and-Summative_Accessible-5-18-20-jh.pdf.aspx?lang=en-US)
- Additional Resources for Grade 7 Math: <https://education.ohio.gov/Topics/Learning-in-Ohio/Mathematics/Assessments-in-Mathematics/Grade-7-%E2%80%93-Mathematics>

## Mathematics, Grade 8 Resources

These assessment and instruction resources have been compiled to help teachers support student learning.

- **Learning Standards**  
Identify what students should know and be able to do. The standards explain the knowledge and skills students are learning in pre-kindergarten through grade 12.  
<http://education.ohio.gov/getattachment/Topics/Learning-in-Ohio/Mathematics/Ohio-s-Learning-Standards-in-Mathematics/MATH-Standards-Grade-8.pdf.aspx?lang=en-US>
- **Model Curriculum**  
The model curriculum is a tool that provides educators with information that clarifies the learning standards and sets the foundation for planning and developing instruction aligned to Ohio's Learning Standards for each content area. [http://education.ohio.gov/getattachment/Topics/Learning-in-Ohio/Mathematics/Model-Curricula-in-Mathematics/Grade-8\\_Math\\_Instructional\\_Supports.pdf.aspx?lang=en-US](http://education.ohio.gov/getattachment/Topics/Learning-in-Ohio/Mathematics/Model-Curricula-in-Mathematics/Grade-8_Math_Instructional_Supports.pdf.aspx?lang=en-US)
- **K-8 Learning Progressions**  
Learning progression statements provide educators with a general description of the knowledge and skills students learned prior to that grade level/band, and the knowledge and skills students are expected to learn in the next grade level/band. Progressions reflect the gradual development of skills over time.  
<http://education.ohio.gov/getattachment/Topics/Learning-in-Ohio/Mathematics/Ohio-s-Learning-Standards-in-Mathematics/Ohio-s-K-8-Learning-Progressions.pdf.aspx?lang=en-US>
- **K-8 Critical Areas of Focus**  
The critical areas for instruction are designed to bring focus to the standards at each grade level by describing the big ideas educators can use to build their curriculum and to guide instruction. They are intended to facilitate discussion and to encourage coherence in the sequence, pacing and units of study for each grade-level curriculum.  
<http://education.ohio.gov/getattachment/Topics/Learning-in-Ohio/Mathematics/Ohio-s-Learning-Standards-in-Mathematics/K-8-Critical-Areas-of-Focus-3-7-17.pdf.aspx?lang=en-US>
- **Test Specifications**  
The Ohio Department of Education has released a set of test specification documents, including descriptions of the assessment components and item types, assessment blueprints, and item specifications, to help educators and the general public better understand the design of Ohio's State Tests. These documents are used to guide the development of the Ohio's State Tests.  
<https://oh.portal.cambiumast.com/resources/general-resources/>
- **Blueprint**  
Test blueprints serve as a guide for test construction and provide an outline of the content and skills to be measured on the test. They contain information about individual tests, including the number of test items, the number of points on the test, and show how the learning standards are grouped in order to report the test results. All learning standards identified on the blueprint are eligible to appear on a test form and should be taught during instruction.  
<https://oh.portal.cambiumast.com/resources/general-resources/>

- Performance Level Descriptors (PLDs)  
PLDs are the link between Ohio’s Learning Standards and performance standards. They were developed by Ohio educators and other content experts to illustrate the typical demonstration of the learning for each of the five performance levels: Limited, Basic, Proficient, Accelerated and Advanced.  
<https://oh.portal.cambiumast.com/resources/reporting-resources/>
- Depth of Knowledge  
The depth of knowledge (DOK) level describes the level of understanding required to answer a question or perform an activity not whether the task is considered “difficult.” What mental processing, or cognitive rigor, must occur for a student to complete the task?

To find a description of Depth of Knowledge for Mathematics use the following link.

[http://education.ohio.gov/getattachment/Topics/Learning-in-Ohio/Mathematics/Resources-for-Mathematics/Curriculum-and-Instruction-Resources-for-Mathemati/DOKmath\\_descriptors\\_by\\_level.pdf.aspx](http://education.ohio.gov/getattachment/Topics/Learning-in-Ohio/Mathematics/Resources-for-Mathematics/Curriculum-and-Instruction-Resources-for-Mathemati/DOKmath_descriptors_by_level.pdf.aspx)

Additional information about Depth of Knowledge for Mathematics can be found at the following link.

<http://education.ohio.gov/Topics/Learning-in-Ohio/Mathematics/Resources-for-Mathematics/Curriculum-and-Instruction-Resources-for-Mathemati>

- Ohio’s State Tests: Item Development Sequence  
<http://education.ohio.gov/getattachment/Topics/Testing/Assessment-Committees/Item-Development-Sequence.pdf.aspx?lang=en-US>
- Test Specifications – How to Use [https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Test-Specifications\\_Accessible-5-18-20-jh-1.pdf.aspx?lang=en-US](https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Test-Specifications_Accessible-5-18-20-jh-1.pdf.aspx?lang=en-US)
- Test Blueprints – How to Use [https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Test-Blueprints\\_Accessible-5-18-20-jh.pdf.aspx?lang=en-US](https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Test-Blueprints_Accessible-5-18-20-jh.pdf.aspx?lang=en-US)
- Roadmap to Ohio’s Assessment Development Resources  
[https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Map-of-Assessment-Dev-to-Classroom-Assesment\\_Accessible-5-18-20-jh.pdf.aspx?lang=en-US](https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Map-of-Assessment-Dev-to-Classroom-Assesment_Accessible-5-18-20-jh.pdf.aspx?lang=en-US)
- Understanding Formative, Interim and Summative Assessments  
[https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Integrating-Formative-and-Summative\\_Accessible-5-18-20-jh.pdf.aspx?lang=en-US](https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Integrating-Formative-and-Summative_Accessible-5-18-20-jh.pdf.aspx?lang=en-US)
- Additional Resources for Grade 8 Math: <https://education.ohio.gov/Topics/Learning-in-Ohio/Mathematics/Assessments-in-Mathematics/Grade-8-%E2%80%93-Mathematics>

## Algebra I Resources

These assessment and instruction resources have been compiled to help teachers support student learning.

- **Learning Standards**  
Identify what students should know and be able to do. The standards explain the knowledge and skills students are learning in pre-kindergarten through grade 12.  
<http://education.ohio.gov/getattachment/Topics/Learning-in-Ohio/Mathematics/Ohio-s-Learning-Standards-in-Mathematics/ALGEBRA-1-Standards.pdf.aspx?lang=en-US>
- **Model Curriculum**  
The model curriculum is a tool that provides educators with information that clarifies the learning standards and sets the foundation for planning and developing instruction aligned to Ohio's Learning Standards for each content area.  
[http://education.ohio.gov/getattachment/Topics/Learning-in-Ohio/Mathematics/Model-Curricula-in-Mathematics/HS\\_Course\\_Algebra-1\\_Math\\_Instructional-Supports.pdf.aspx?lang=en-US](http://education.ohio.gov/getattachment/Topics/Learning-in-Ohio/Mathematics/Model-Curricula-in-Mathematics/HS_Course_Algebra-1_Math_Instructional-Supports.pdf.aspx?lang=en-US)
- **Test Specifications**  
The Ohio Department of Education has released a set of test specification documents, including descriptions of the assessment components and item types, assessment blueprints, and item specifications, to help educators and the general public better understand the design of Ohio's State Tests. These documents are used to guide the development of the Ohio's State Tests.  
<https://oh.portal.cambiumast.com/resources/general-resources/>
- **Blueprint**  
Test blueprints serve as a guide for test construction and provide an outline of the content and skills to be measured on the test. They contain information about individual tests, including the number of test items, the number of points on the test, and show how the learning standards are grouped in order to report the test results. All learning standards identified on the blueprint are eligible to appear on a test form and should be taught during instruction.  
<https://oh.portal.cambiumast.com/resources/general-resources/>
- **Performance Level Descriptors (PLDs)**  
PLDs are the link between Ohio's Learning Standards and performance standards. They were developed by Ohio educators and other content experts to illustrate the typical demonstration of the learning for each of the five performance levels: Limited, Basic, Proficient, Accelerated and Advanced.  
<https://oh.portal.cambiumast.com/resources/reporting-resources/>
- **Depth of Knowledge**  
The depth of knowledge (DOK) level describes the level of understanding required to answer a question or perform an activity not whether the task is considered "difficult." What mental processing, or cognitive rigor, must occur for a student to complete the task?

To find a description of Depth of Knowledge for Mathematics use the following link.

[http://education.ohio.gov/getattachment/Topics/Learning-in-Ohio/Mathematics/Resources-for-Mathematics/Curriculum-and-Instruction-Resources-for-Mathemati/DOKmath\\_descriptors\\_by\\_level.pdf.aspx](http://education.ohio.gov/getattachment/Topics/Learning-in-Ohio/Mathematics/Resources-for-Mathematics/Curriculum-and-Instruction-Resources-for-Mathemati/DOKmath_descriptors_by_level.pdf.aspx)

Additional information about Depth of Knowledge for Mathematics can be found at the following link.

<http://education.ohio.gov/Topics/Learning-in-Ohio/Mathematics/Resources-for-Mathematics/Curriculum-and-Instruction-Resources-for-Mathemati>

- Ohio's State Tests: Item Development Sequence  
<http://education.ohio.gov/getattachment/Topics/Testing/Assessment-Committees/Item-Development-Sequence.pdf.aspx?lang=en-US>
- Test Specifications – How to Use  
[https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Test-Specifications\\_Accessible-5-18-20-jh-1.pdf.aspx?lang=en-US](https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Test-Specifications_Accessible-5-18-20-jh-1.pdf.aspx?lang=en-US)
- Test Blueprints – How to Use [https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Test-Blueprints\\_Accessible-5-18-20-jh.pdf.aspx?lang=en-US](https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Test-Blueprints_Accessible-5-18-20-jh.pdf.aspx?lang=en-US)
- Roadmap to Ohio's Assessment Development Resources  
[https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Map-of-Assessment-Dev-to-Classroom-Assesment\\_Accessible-5-18-20-jh.pdf.aspx?lang=en-US](https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Map-of-Assessment-Dev-to-Classroom-Assesment_Accessible-5-18-20-jh.pdf.aspx?lang=en-US)
- Understanding Formative, Interim and Summative Assessments  
[https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Integrating-Formative-and-Summative\\_Accessible-5-18-20-jh.pdf.aspx?lang=en-US](https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Integrating-Formative-and-Summative_Accessible-5-18-20-jh.pdf.aspx?lang=en-US)
- Additional Resources for Algebra I: <http://education.ohio.gov/Topics/Ohio-s-Graduation-Requirements/High-School-State-Tested-Courses-Resources/Algebra-I>

# Geometry Resources

These assessment and instruction resources have been compiled to help teachers support student learning.

- Learning Standards <http://education.ohio.gov/getattachment/Topics/Learning-in-Ohio/Mathematics/Ohio-s-Learning-Standards-in-Mathematics/GEOMETRY-Standards.pdf.aspx?lang=en-US>  
Identify what students should know and be able to do. The standards explain the knowledge and skills students are learning in pre-kindergarten through grade 12.
- Model Curriculum [http://education.ohio.gov/getattachment/Topics/Learning-in-Ohio/Mathematics/Model-Curricula-in-Mathematics/HS\\_Course\\_Geom- Math\\_Model-Curriculum.pdf.aspx?lang=en-US](http://education.ohio.gov/getattachment/Topics/Learning-in-Ohio/Mathematics/Model-Curricula-in-Mathematics/HS_Course_Geom- Math_Model-Curriculum.pdf.aspx?lang=en-US)  
The model curriculum is a tool that provides educators with information that clarifies the learning standards and sets the foundation for planning and developing instruction aligned to Ohio's Learning Standards for each content area.
- Test Specifications  
The Ohio Department of Education has released a set of test specification documents, including descriptions of the assessment components and item types, assessment blueprints, and item specifications, to help educators and the general public better understand the design of Ohio's State Tests. These documents are used to guide the development of the Ohio's State Tests.  
<https://oh.portal.cambiumast.com/resources/general-resources/>
- Blueprint  
Test blueprints serve as a guide for test construction and provide an outline of the content and skills to be measured on the test. They contain information about individual tests, including the number of test items, the number of points on the test, and show how the learning standards are grouped in order to report the test results. All learning standards identified on the blueprint are eligible to appear on a test form and should be taught during instruction.  
<https://oh.portal.cambiumast.com/resources/general-resources/>
- Performance Level Descriptors (PLDs)  
PLDs are the link between Ohio's Learning Standards and performance standards. They were developed by Ohio educators and other content experts to illustrate the typical demonstration of the learning for each of the five performance levels: Limited, Basic, Proficient, Accelerated and Advanced.  
<https://oh.portal.cambiumast.com/resources/reporting-resources/>
- Depth of Knowledge  
The depth of knowledge (DOK) level describes the level of understanding required to answer a question or perform an activity not whether the task is considered "difficult." What mental processing, or cognitive rigor, must occur for a student to complete the task?

To find a description of Depth of Knowledge for Mathematics use the following link.

[http://education.ohio.gov/getattachment/Topics/Learning-in-Ohio/Mathematics/Resources-for-Mathematics/Curriculum-and-Instruction-Resources-for-Mathemati/DOKmath\\_descriptors\\_by\\_level.pdf.aspx](http://education.ohio.gov/getattachment/Topics/Learning-in-Ohio/Mathematics/Resources-for-Mathematics/Curriculum-and-Instruction-Resources-for-Mathemati/DOKmath_descriptors_by_level.pdf.aspx)

Additional information about Depth of Knowledge for Mathematics can be found at the following link.

<http://education.ohio.gov/Topics/Learning-in-Ohio/Mathematics/Resources-for-Mathematics/Curriculum-and-Instruction-Resources-for-Mathemati>

- Ohio's State Tests: Item Development Sequence  
<http://education.ohio.gov/getattachment/Topics/Testing/Assessment-Committees/Item-Development-Sequence.pdf.aspx?lang=en-US>
- Test Specifications – How to Use [https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Test-Specifications\\_Accessible-5-18-20-jh-1.pdf.aspx?lang=en-US](https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Test-Specifications_Accessible-5-18-20-jh-1.pdf.aspx?lang=en-US)
- Test Blueprints – How to Use [https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Test-Blueprints\\_Accessible-5-18-20-jh.pdf.aspx?lang=en-US](https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Test-Blueprints_Accessible-5-18-20-jh.pdf.aspx?lang=en-US)
- Roadmap to Ohio's Assessment Development Resources  
[https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Map-of-Assessment-Dev-to-Classroom-Assesment\\_Accessible-5-18-20-jh.pdf.aspx?lang=en-US](https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Map-of-Assessment-Dev-to-Classroom-Assesment_Accessible-5-18-20-jh.pdf.aspx?lang=en-US)
- Understanding Formative, Interim and Summative Assessments  
[https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Integrating-Formative-and-Summative\\_Accessible-5-18-20-jh.pdf.aspx?lang=en-US](https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Integrating-Formative-and-Summative_Accessible-5-18-20-jh.pdf.aspx?lang=en-US)
- Additional Resources for Geometry  
<http://education.ohio.gov/Topics/Ohio-s-Graduation-Requirements/High-School-State-Tested-Courses-Resources/Geometry>

# Integrated Math 1 Resources

These assessment and instruction resources have been compiled to help teachers support student learning.

## Learning Standards

Identify what students should know and be able to do. The standards explain the knowledge and skills students are learning in pre-kindergarten through grade 12.

<http://education.ohio.gov/getattachment/Topics/Learning-in-Ohio/Mathematics/Ohio-s-Learning-Standards-in-Mathematics/MATH-1-Standards.pdf.aspx>

- Model Curriculum

The model curriculum is a tool that provides educators with information that clarifies the learning standards and sets the foundation for planning and developing instruction aligned to Ohio's Learning Standards for each content area.

[http://education.ohio.gov/getattachment/Topics/Learning-in-Ohio/Mathematics/Model-Curricula-in-Mathematics/HS\\_Course\\_Math-1- Math\\_Instructional-Supports.pdf.aspx?lang=en-US](http://education.ohio.gov/getattachment/Topics/Learning-in-Ohio/Mathematics/Model-Curricula-in-Mathematics/HS_Course_Math-1- Math_Instructional-Supports.pdf.aspx?lang=en-US)

- Test Specifications

The Ohio Department of Education has released a set of test specification documents, including descriptions of the assessment components and item types, assessment blueprints, and item specifications, to help educators and the general public better understand the design of Ohio's State Tests. These documents are used to guide the development of the Ohio's State Tests.

<https://oh.portal.cambiumast.com/resources/general-resources/>

- Blueprint

Test blueprints serve as a guide for test construction and provide an outline of the content and skills to be measured on the test. They contain information about individual tests, including the number of test items, the number of points on the test, and show how the learning standards are grouped in order to report the test results. All learning standards identified on the blueprint are eligible to appear on a test form and should be taught during instruction.

<https://oh.portal.cambiumast.com/resources/general-resources/>

- Performance Level Descriptors (PLDs)

PLDs are the link between Ohio's Learning Standards and performance standards. They were developed by Ohio educators and other content experts to illustrate the typical demonstration of the learning for each of the five performance levels: Limited, Basic, Proficient, Accelerated and Advanced.

<https://oh.portal.cambiumast.com/resources/reporting-resources/>

- Depth of Knowledge

The depth of knowledge (DOK) level describes the level of understanding required to answer a question or perform an activity not whether the task is considered "difficult." What mental processing, or cognitive rigor, must occur for a student to complete the task?

To find a description of Depth of Knowledge for Mathematics use the following link.

[http://education.ohio.gov/getattachment/Topics/Learning-in-Ohio/Mathematics/Resources-for-Mathematics/Curriculum-and-Instruction-Resources-for-Mathemati/DOKmath\\_descriptors\\_by\\_level.pdf.aspx](http://education.ohio.gov/getattachment/Topics/Learning-in-Ohio/Mathematics/Resources-for-Mathematics/Curriculum-and-Instruction-Resources-for-Mathemati/DOKmath_descriptors_by_level.pdf.aspx)

Additional information about Depth of Knowledge for Mathematics can be found at the following link.

- Ohio's State Tests: Item Development Sequence  
<http://education.ohio.gov/getattachment/Topics/Testing/Assessment-Committees/Item-Development-Sequence.pdf.aspx?lang=en-US>
- Test Specifications – How to Use  
[https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Test-Specifications\\_Accessible-5-18-20-jh-1.pdf.aspx?lang=en-US](https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Test-Specifications_Accessible-5-18-20-jh-1.pdf.aspx?lang=en-US)
- Test Blueprints – How to Use [https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Test-Blueprints\\_Accessible-5-18-20-jh.pdf.aspx?lang=en-US](https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Test-Blueprints_Accessible-5-18-20-jh.pdf.aspx?lang=en-US)
- Roadmap to Ohio's Assessment Development Resources  
[https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Map-of-Assessment-Dev-to-Classroom-Assesment\\_Accessible-5-18-20-jh.pdf.aspx?lang=en-US](https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Map-of-Assessment-Dev-to-Classroom-Assesment_Accessible-5-18-20-jh.pdf.aspx?lang=en-US)
- Understanding Formative, Interim and Summative Assessments  
[https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Integrating-Formative-and-Summative\\_Accessible-5-18-20-jh.pdf.aspx?lang=en-US](https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Integrating-Formative-and-Summative_Accessible-5-18-20-jh.pdf.aspx?lang=en-US)
- Additional Resources for Integrated Math I: <http://education.ohio.gov/Topics/Ohio-s-Graduation-Requirements/High-School-State-Tested-Courses-Resources/Integrated-Math-I>

## Integrated Math 2 Resources

These assessment and instruction resources have been compiled to help teachers support student learning.

- Learning Standards <http://education.ohio.gov/getattachment/Topics/Learning-in-Ohio/Mathematics/Ohio-s-Learning-Standards-in-Mathematics/MATH-2-Standards.pdf.aspx?lang=en-US>  
Identify what students should know and be able to do. The standards explain the knowledge and skills students are learning in pre-kindergarten through grade 12.
- Model Curriculum [http://education.ohio.gov/getattachment/Topics/Learning-in-Ohio/Mathematics/Model-Curricula-in-Mathematics/HS\\_Course\\_Math-2\\_Math\\_Model-Curriculum.pdf.aspx?lang=en-US](http://education.ohio.gov/getattachment/Topics/Learning-in-Ohio/Mathematics/Model-Curricula-in-Mathematics/HS_Course_Math-2_Math_Model-Curriculum.pdf.aspx?lang=en-US)  
The model curriculum is a tool that provides educators with information that clarifies the learning standards and sets the foundation for planning and developing instruction aligned to Ohio's Learning Standards for each content area. Vertical Alignment
- Test Specifications  
The Ohio Department of Education has released a set of test specification documents, including descriptions of the assessment components and item types, assessment blueprints, and item specifications, to help educators and the general public better understand the design of Ohio's State Tests. These documents are used to guide the development of the Ohio's State Tests.  
<https://oh.portal.cambiumast.com/resources/general-resources/>
- Blueprint  
Test blueprints serve as a guide for test construction and provide an outline of the content and skills to be measured on the test. They contain information about individual tests, including the number of test items, the number of points on the test, and show how the learning standards are grouped in order to report the test results. All learning standards identified on the blueprint are eligible to appear on a test form and should be taught during instruction.  
<https://oh.portal.cambiumast.com/resources/general-resources/>
- Performance Level Descriptors (PLDs)  
PLDs are the link between Ohio's Learning Standards and performance standards. They were developed by Ohio educators and other content experts to illustrate the typical demonstration of the learning for each of the five performance levels: Limited, Basic, Proficient, Accelerated and Advanced.  
<https://oh.portal.cambiumast.com/resources/reporting-resources/>
- Depth of Knowledge  
The depth of knowledge (DOK) level describes the level of understanding required to answer a question or perform an activity not whether the task is considered "difficult." What mental processing, or cognitive rigor, must occur for a student to complete the task?

To find a description of Depth of Knowledge for Mathematics use the following link.

[http://education.ohio.gov/getattachment/Topics/Learning-in-Ohio/Mathematics/Resources-for-Mathematics/Curriculum-and-Instruction-Resources-for-Mathemati/DOKmath\\_descriptors\\_by\\_level.pdf.aspx](http://education.ohio.gov/getattachment/Topics/Learning-in-Ohio/Mathematics/Resources-for-Mathematics/Curriculum-and-Instruction-Resources-for-Mathemati/DOKmath_descriptors_by_level.pdf.aspx)

Additional information about Depth of Knowledge for Mathematics can be found at the following link.

<http://education.ohio.gov/Topics/Learning-in-Ohio/Mathematics/Resources-for-Mathematics/Curriculum-and-Instruction-Resources-for-Mathemati>

- Ohio's State Tests: Item Development Sequence  
<http://education.ohio.gov/getattachment/Topics/Testing/Assessment-Committees/Item-Development-Sequence.pdf.aspx?lang=en-US>
- Test Specifications – How to Use [https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Test-Specifications\\_Accessible-5-18-20-jh-1.pdf.aspx?lang=en-US](https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Test-Specifications_Accessible-5-18-20-jh-1.pdf.aspx?lang=en-US)
- Test Blueprints – How to Use [https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Test-Blueprints\\_Accessible-5-18-20-jh.pdf.aspx?lang=en-US](https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Test-Blueprints_Accessible-5-18-20-jh.pdf.aspx?lang=en-US)
- Roadmap to Ohio's Assessment Development Resources  
[https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Map-of-Assessment-Dev-to-Classroom-Assesment\\_Accessible-5-18-20-jh.pdf.aspx?lang=en-US](https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Map-of-Assessment-Dev-to-Classroom-Assesment_Accessible-5-18-20-jh.pdf.aspx?lang=en-US)
- Understanding Formative, Interim and Summative Assessments  
[https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Integrating-Formative-and-Summative\\_Accessible-5-18-20-jh.pdf.aspx?lang=en-US](https://education.ohio.gov/getattachment/Topics/Testing/Ohios-State-Test-in-ELA-Math-Science-SocialStudies/Ohio-Integrating-Formative-and-Summative_Accessible-5-18-20-jh.pdf.aspx?lang=en-US)
- Additional Resources for Integrated Math 2  
<http://education.ohio.gov/Topics/Ohio-s-Graduation-Requirements/High-School-State-Tested-Courses-Resources/Integrated-Math-II>