



## End of Course (EOC) Bank Blueprints

# Early Childhood Education

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**THE OHIO STATE UNIVERSITY**  
CENTER ON EDUCATION AND  
TRAINING FOR EMPLOYMENT

**Ohio** | Department  
of Education



### About Test Blueprints

Test blueprints are created to provide guidance to Subject Matter Experts (SMEs) during the item writing phase of test development. In addition, we believe that they can assist those instructors who did not participate in item writing (and administrators) to understand the broad content of the item bank. Items are formally allocated across a course outline in a three-step process\*:

1. CETE psychometricians use a formula which assumes that all competencies within a course outline are *essential* and of equal importance to produce a suggested test blueprint for review by Ohio Department of Education program specialists and SMEs.
2. SMEs review the blueprint as a large group before item writing for a specific EOC test. There and in small groups, SMEs review the course outline and have the ability to make changes to the blueprint with a documented rationale based on their experience and expertise.
3. Any revisions during small group work must be approved by the larger panel of SMEs attending an item writing workshop, which is the last step and produces the final blueprint which is summarized in this document.



Test blueprints can provide high-level guidance to instructors on preparing students for testing. It is important to keep in mind that the blueprint is a tool that is used when developing the test item bank during initial item writing and test creation. As with all tests, the End-of-Course test forms are a sample of the item bank.

### Interpreting the Blueprints

Test blueprints display the total number of test items SMEs planned to write to a particular *outcome* (as designated in the course outline created by the Ohio Department of Education Office of Career-Technical Education or by a vendor). Blueprints describe the structure of the item bank which is the total pool of test items created. Final test forms of 40-items are created from the item bank.

\*This newer process for producing test blueprints was implemented October 1, 2015. Item banks created prior to this date were completed under a different blueprint process and therefore we are looking backward to provide the structure of the item bank. As revisions are completed for those career fields, for example Information Technology (2017-18), the blueprint process used will be the newer model.

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## Foundations of Education and Training

ODE Subject Code: 350002

Outcome #	Outcome Name	% Items Approved by SMEs
<b>Strand 1. Business Operations/21st Century Skills</b>		
1.1.	Employability Skills	15.38
1.2.	Leadership and Communications	15.38
1.3.	Business Ethics and Law	3.30
1.4.	Knowledge Management and Information Technology	2.20
1.5.	Global Environment	3.30
<b>Strand 2. Foundations of Education</b>		
2.1.	History and Philosophy	28.57
2.2.	Educational Systems	13.19
2.3.	Professionalism	8.79
2.5.	Human Resource Considerations	9.89



# Early Childhood Education Principles

ODE Subject Code: 350205

Outcome #	Outcome Name	% Items Approved by SMEs
<b>Strand 1. Business Operations/21st Century Skills</b>		
1.1.	Employability Skills	3.26
1.3.	Business Ethics and Law	3.26
1.5.	Global Environment	3.26
<b>Strand 2. Foundations of Education</b>		
2.1.	History and Philosophy	6.52
2.2.	Educational Systems	8.70
2.3.	Professionalism	15.22
2.4.	Operational Responsibilities	1.09
<b>Strand 3. Learners and Their Development</b>		
3.1.	Growth and Development Theories	4.35
3.2.	Cognitive Growth and Development	3.26
3.3.	Physical Growth and Development	2.17
3.4.	Social and Emotional Growth and Development	7.61
3.5.	Language Growth and Development	5.43
3.6.	Literacy Development	1.09
3.7.	Cultural Growth and Development	4.35
<b>Strand 4. Learning Environment</b>		
4.1.	Safe Environments	2.17
4.4.	Environmental Design	5.43
4.5.	Responsive Environment	6.52
4.6.	Stakeholder Relationships	10.87
4.7.	Classroom Management	2.17
<b>Strand 5. Curriculum and Instruction</b>		
5.2.	Instructional Planning	1.09
<b>Strand 6. Technology and Online Instruction</b>		
6.1.	Technology for the Learning Environment	2.17



# Child and Adolescent Development

ODE Subject Code: 350035

Outcome #	Outcome Name	% Items Approved by SMEs
<b>Strand 1. Business Operations/21st Century Skills</b>		
1.1.	Employability Skills	3.16
1.3.	Business Ethics and Law	2.11
1.5.	Global Environment	1.05
<b>Strand 2. Foundations of Education</b>		
2.1.	History and Philosophy	3.16
2.2.	Educational Systems	3.16
<b>Strand 3. Learners and Their Development</b>		
3.1.	Growth and Development Theories	7.37
3.2.	Cognitive Growth and Development	11.58
3.3.	Physical Growth and Development	7.37
3.4.	Social and Emotional Growth and Development	12.63
3.5.	Language Growth and Development	15.79
3.6.	Literacy Development	7.37
3.7.	Cultural Growth and Development	9.47
3.8.	Learner Characteristics	6.32
<b>Strand 4. Learning Environment</b>		
4.4.	Environmental Design	1.05
4.5.	Responsive Environment	2.11
4.6.	Stakeholder Relationships	2.11
<b>Strand 5. Curriculum and Instruction</b>		
5.2.	Instructional Planning	1.05
<b>Strand 7. Observation and Assessment</b>		
7.2.	Observation	3.16



# Classroom Management

ODE Subject Code: 350030

Outcome #	Outcome Name	% Items Approved by SMEs
<b>Strand 1. Business Operations/21st Century Skills</b>		
1.1.	Employability Skills	7.78
1.2.	Leadership and Communications	8.89
1.3.	Business Ethics and Law	7.78
1.4.	Knowledge Management and Information Technology	7.78
1.5.	Global Environment	5.56
<b>Strand 2. Foundations of Education</b>		
2.3.	Professionalism	8.89
2.4.	Operational Responsibilities	3.33
<b>Strand 3. Learners and Their Development</b>		
3.4.	Social and Emotional Growth and Development	8.89
3.7.	Cultural Growth and Development	1.11
<b>Strand 4. Learning Environment</b>		
4.1.	Safe Environments	4.44
4.4.	Environmental Design	6.67
4.5.	Responsive Environment	10.00
4.6.	Stakeholder Relationships	6.67
4.7.	Classroom Management	10.00
<b>Strand 5. Curriculum and Instruction</b>		
5.3.	Resources	2.22



# Curriculum and Instruction for Early Childhood Education

ODE Subject Code: 350235

Outcome #	Outcome Name	% Items Approved by SMEs
<b>Strand 1. Business Operations/21st Century Skills</b>		
1.1.	Employability Skills	7.22
1.2.	Leadership and Communications	7.22
1.3.	Business Ethics and Law	4.12
1.8.	Operations Management	3.09
<b>Strand 2. Foundations of Education</b>		
2.4.	Operational Responsibilities	5.15
<b>Strand 3. Learners and Their Development</b>		
3.2.	Cognitive Growth and Development	3.09
3.3.	Physical Growth and Development	2.06
3.4.	Social and Emotional Growth and Development	3.09
<b>Strand 4. Learning Environment</b>		
4.4.	Environmental Design	4.12
4.7.	Classroom Management	2.06
<b>Strand 5. Curriculum and Instruction</b>		
5.1.	Curriculum Planning	9.28
5.2.	Instructional Planning	13.40
5.3.	Resources	8.25
5.4.	Instructional Implementation	11.34
<b>Strand 6. Technology and Online Instruction</b>		
6.1.	Technology for the Learning Environment	1.03
6.2.	Blended and Online Learning Foundations	3.09
6.3.	Online Instructional Design	4.12
6.4.	Online Implementation	2.06
<b>Strand 7. Observation and Assessment</b>		
7.2.	Observation	6.19



# Health, Safety and Nutrition

ODE Subject Code: 350230

Outcome #	Outcome Name	% Items Approved by SMEs
<b>Strand 1. Business Operations/21st Century Skills</b>		
1.1.	Employability Skills	2.17
1.2.	Leadership and Communications	2.17
1.3.	Global Environment	5.43
1.4.	Knowledge Management and Information Technology	2.17
1.8.	Operations Management	2.17
<b>Strand 2. Foundations of Education</b>		
2.3.	Professionalism	2.17
2.4.	Operational Responsibilities	3.26
<b>Strand 3. Learners and Their Development</b>		
3.1.	Growth and Development Theories	1.09
3.3.	Physical Growth and Development	6.52
3.8.	Learner Characteristics	2.17
<b>Strand 4. Learning Environment</b>		
4.1.	Safe Environments	20.65
4.2.	Healthy Environments	16.30
4.3.	Nutrition	21.74
4.4.	Environmental Design	5.43
4.5.	Responsive Environment	2.17
4.6.	Stakeholder Relationships	2.17
<b>Strand 7. Observation and Assessment</b>		
7.2.	Observation	2.17





# Infant and Toddler Education

ODE Subject Code: 350210

Outcome #	Outcome Name	% Items Approved by SMEs
<b>Strand 1. Business Operations/21st Century Skills</b>		
1.3.	Global Environment	3.23
<b>Strand 2. Foundations of Education</b>		
2.1.	History and Philosophy	1.08
2.2.	Educational Systems	3.23
2.3.	Professionalism	5.38
2.4.	Operational Responsibilities	3.23
<b>Strand 3. Learners and Their Development</b>		
3.1.	Growth and Development Theories	5.38
3.2.	Cognitive Growth and Development	2.15
3.3.	Physical Growth and Development	3.23
3.4.	Social and Emotional Growth and Development	7.53
3.5.	Language Growth and Development	13.98
3.8.	Learner Characteristics	5.38
<b>Strand 4. Learning Environment</b>		
4.1.	Safe Environments	4.30
4.2.	Healthy Environments	6.45
4.3.	Nutrition	5.38
4.4.	Environmental Design	2.15
4.5.	Responsive Environment	4.30
4.6.	Stakeholder Relationships	10.75
4.7.	Classroom Management	4.30
<b>Strand 5. Curriculum and Instruction</b>		
5.2.	Instructional Planning	1.08
<b>Strand 7. Technology and Online Instruction</b>		
7.1.	Observation and Assessment Foundations	1.08
7.2.	Observation	6.45



## Early Childhood Education Language and Literacy

ODE Subject Code: 350215

Outcome #	Outcome Name	% Items Approved by SMEs
<b>Strand 1. Business Operations/21st Century Skills</b>		
1.2.	Leadership and Communications	4.21
<b>Strand 2. Foundations of Education</b>		
2.3.	Professionalism	2.11
<b>Strand 3. Learners and Their Development</b>		
3.1.	Growth and Development Theories	3.16
3.2.	Cognitive Growth and Development	4.21
3.4.	Social and Emotional Growth and Development	1.05
3.5.	Language Growth and Development	20.00
3.6.	Literacy Development	11.58
<b>Strand 4. Learning Environment</b>		
4.6.	Stakeholder Relationships	6.32
<b>Strand 5. Curriculum and Instruction</b>		
5.3.	Resources	2.11
5.5.	Foundations of Teaching Literacy	14.74
5.6.	Literacy Instruction	26.32
<b>Strand 7. Technology and Online Instruction</b>		
7.2.	Observation	4.21



# Early Childhood Education Observation and Assessment

ODE Subject Code: 350220

Outcome #	Outcome Name	% Items Approved by SMEs
<b>Strand 1. Business Operations/21st Century Skills</b>		
1.1.	Employability Skills	3.19
1.2.	Leadership and Communications	5.32
1.3.	Business Ethics and Law	3.19
1.4.	Knowledge Management and Information Technology	3.19
1.8.	Operations Management	2.13
<b>Strand 2. Foundations of Education</b>		
2.3.	Professionalism	2.13
2.4.	Operational Responsibilities	2.13
<b>Strand 3. Learners and Their Development</b>		
3.1.	Growth and Development Theories	1.06
3.2.	Cognitive Growth and Development	2.13
3.3.	Physical Growth and Development	0.00
3.5.	Language Growth and Development	1.06
3.6.	Literacy Development	2.13
3.8.	Learner Characteristics	3.19
<b>Strand 4. Learning Environment</b>		
4.6.	Stakeholder Relationships	2.13
<b>Strand 5. Curriculum and Instruction</b>		
5.1.	Curriculum Planning	3.19
5.2.	Instructional Planning	3.19
<b>Strand 6. Technology and Online Instruction</b>		
6.3.	Online Instructional Design	2.13
<b>Strand 7. Technology and Online Instruction</b>		
7.1.	Observation and Assessment Foundations	10.64
7.2.	Observation	20.21
7.3.	Assessment	14.89
7.4.	Test Analysis	2.13
7.5.	Data Applications	10.64



## Communities, Schools and Stakeholders

ODE Subject Code: 350225

Outcome #	Outcome Name	% Items Approved by SMEs
<b>Strand 1. Business Operations/21st Century Skills</b>		
1.1.	Employability Skills	1.14
1.2.	Leadership and Communications	6.82
1.5.	Global Environment	7.95
<b>Strand 2. Foundations of Education</b>		
2.1.	History and Philosophy	2.27
2.2.	Educational Systems	2.27
2.3.	Professionalism	1.14
<b>Strand 3. Learners and Their Development</b>		
3.2.	Cognitive Growth and Development	3.41
3.4.	Social and Emotional Growth and Development	5.68
3.5.	Language Growth and Development	6.82
3.7.	Cultural Growth and Development	13.64
<b>Strand 4. Learning Environment</b>		
4.1.	Safe Environments	5.68
4.2.	Healthy Environments	2.27
4.5.	Responsive Environment	12.50
4.6.	Stakeholder Relationships	20.45
4.7.	Classroom Management	2.27
<b>Strand 5. Curriculum and Instruction</b>		
5.3.	Resources	5.68

