



Independent School District of Boise City Curriculum Map

Geometry

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Scope and Sequence Summary

Math Vocabulary	<i>Ongoing</i>
Pts., Lines, Planes, and Angles	2 weeks
Reasoning and Proof	2-2.5 weeks
Parallel and Perpendicular Lines	3 weeks
Congruent Triangles	3.5 weeks
Relationships in Triangles	2 weeks
Proportions and Similarities	2 weeks
Right Triangles and Trig	4.5 weeks
Quadrilaterals	2-3 weeks
Transformations	2 weeks
Circles	3 weeks
Areas of Polygons and Circles	2 weeks
Surface Area	2 weeks
Volume	2 weeks

<u>Test</u>	<u>Window</u>
Idaho State Achievement Test	
Geometry EOC	End of 1 st Semester
ISAT	Late Apr.- May
Geometry EOC	End of 2 nd Semester

Geometry

1st Semester

Ch 1: Points, Lines, Planes, and Angles

Ch 2: Reasoning and Proof

Ch 3: Parallel and Perpendicular Lines

Ch 4: Congruent Triangles

Ch 5: Relationships in Triangles

Ch 6: Proportions and Similarities

2nd Semester

Ch 7-1 to 7-7: Right Triangles and Trig

Ch 8: Quadrilaterals

Ch 9: Transformations

Ch 10: Circles

Ch 11: Areas of Polygons and Circles

Ch 12: Surface Area

Ch 13: Volume

Geometry Vocabulary

Semester One

Chapter 1

acute angle
angle
angle bisector
betweenness
collinear
complimentary angles
concave
congruent
convex
coplanar
line
line segment
linear pair
locus
midpoint
obtuse angle
perimeter
perpendicular
plane
point
ray
regular polygon
right angle
segment bisector
space
supplementary angles
vertex
vertical angles

Chapter 2

axioms
biconditional
conditional
conjunction
contrapositive
converse
corollary
counterexample
deductive reasoning

disjunction
formal proof
hypothesis
inductive reasoning
informal proof
inverse
Law of Detachment
Law of Syllogism
logically equivalent
negation
paragraph proof
postulate
theorem
truth table
truth value

Chapter 3

alternate exterior angles
alternate interior angles
consecutive interior angles
corresponding angles
equidistant
parallel lines
parallel planes
point-slope form
rate of change
skew lines
slope
slope-intercept form
transversal

Chapter 4

acute triangle
base angles
congruent transformations
congruent triangles
corollary
equiangular triangle
equilateral triangle
exterior angle
included angle
included side
isosceles triangle
obtuse triangle
remote interior angles
right triangle

scalene triangle
vertex angle

Chapter 5

altitude
centroid
circumcenter
concurrent lines
incenter
indirect proof
median
orthocenter
perpendicular bisector
point of concurrency
proof by contradiction

Chapter 6

cross products
means
midsegment
proportion
ratio
scale factor
similar polygons

Geometry Vocabulary Semester Two

Chapter 7

ambiguous case
angle of depression
angle of elevation
cosine
geometric mean
hypotenuse
legs of a right triangle
Pythagorean identity
Pythagorean triple
radicals
irrational number
reciprocal identities
sine
special right triangles
tangent
trigonometric identity
trigonometric ratio
trigonometry

Chapter 8

diagonal
isosceles trapezoid
kite
median
parallelogram
rectangle
rhombus
square
trapezoid

Chapter 9

angle of rotation
center of rotation
column matrix
component form
composition of reflections
dilation
direct isometry
equal vectors

glide reflection
image
indirect isometry
line of reflection
line of symmetry
magnitude
parallel vectors
pre-image
point of symmetry
reflection
reflection matrix
regular tessellation
resultant
rotation
rotation matrix
rotational symmetry
scalar
scalar multiplication
semi-regular tessellation
similarity transformation
tessellation
transformation
translation
translation matrix
uniform
vector
vector matrix

Chapter 10

arc measure
arc length
center
central angle
chord
circle
circumference
circumscribed
concentric circles
diameter
inscribed angle
inscribed polygon
intercepted arc
major arc
minor arc
pi (π)

point of tangency
radius
secant
semicircle
tangent line

Chapter 11

apothem
geometric probability
irregular polygon
sector
segment

Chapter 12

axis
bases
cone
cross section
cylinder
edges
faces
great circle
hemisphere
lateral area
lateral edges
lateral faces
net
oblique solids
Platonic solids
polyhedron
prism
pyramid
regular solids
right solids
slant height
sphere
surface area

Chapter 13

congruent solids
ordered triple
similar solids
volume

Geometry

Materials Needed for the End of Course Test

1st Semester - Calculator Allowed

2nd Semester – Calculator Allowed

Similar EOC Questions for Regular Geometry Semester One

(The number of review questions does not reflect the number of test questions)

Updated 5/24/07				
Chapter		Page		Problems
1		17		28-33
				Construction page 24
		25		7,8, 23-26
		26		37-45
		42		11
		43		44-49
		49		15-18
		57		25
		131		70 review exercise
2		78		16-21
		79		40-45
		85		21,22
		92		16-21
		97		4-7, 14-19
		112		16-24
		121		13-15
3		130		32-47
		131		70-75
		136		20-25
		142		15-18, 25-38
		148		7-9, 21-26, 31-34,43
		155		13-16
		743		19 - 24
4		189		18-24
		196		20
		198		40,41
		205		22-25, 32-34
		210		5,6,18
		212		25-28
		220		36
		232		8,13
5		238		Theorems
		242		Concept Summary Box (Name and Type only---- not Point of Concurrency)

		264	14-34	
		270	4	
6		286	28-35	
		290	Example 1	
		293	1-14	
		302	10-17, 19	
Chapter		Page	Problems	
		313	33	

Similar EOC Questions for Regular Geometry Semester Two

(The number of review questions does not reflect the number of test questions)

Chapter	Page	Problems
7	345	4-7, 13-26
	353	4-6,13,14
	355	40
	360	4,5,6-8,12,13-17
	368	43-48
	369	49-51
	397	12
8	408	35, 37, 39-48
	414	2
	421	7, 13-18
	423	4
	428	4, 5
	431	Theorems 8.15, 8.16, 8.17
	442	7, 19
	443	15
	445	44-48
	9	468
479		9,10,16
481		41
503		15-26
510		43
514		18
518		5
10		525
	532	4-11,20-31
<i>Vocabulary from sections 10.2 & 10.3</i>		
	549	9
	556	8-11
	564	12,13
	565	21,22
	578	10-14
11	598	9,10,12,13
	606	15,16, 40-43
	613	11
	615	41
	625	4

Chapter		Page	Problems
12		<i>Vocabulary page 637</i>	
		646	15,16,19
		652	17
		657	13-15
		663	3-5
		668	7-12
		682	33-36
13		691	3
		699	3,9,10
		704	5,9,17
		710	5-10
		711	27-30

2010-2011	Syllabus: Semester One - Geometry		
Date	Event Sequence	Lecture/Discussion Topics	Assignments
Aug-23			
Aug-24			
Aug-25	1/2 Day for Students		
Aug-26	Chapter One	1-1	p. 9 14 - 56 even, 60-65
Aug-27		1-2 <i>precision is optional</i>	p. 17 12 - 15, 22-38 even, (<i>constructions</i> 48, 49)
Aug-30		1-3	p. 25 14 - 44
Aug-31		1-4	p. 34 12 - 38 even
Sep-1		Constructions/Flex day	supplements
Sep-2		Review Sections 1 - 4	
Sep-3		Quiz	
Sep-6	<i>Labor Day Holiday</i>	No School	
Sep-7		1-5	p. 42 11-35 all
Sep-8		1-6	p. 49 12 - 25, 26, 28, 29-34 all
Sep-9		Review	
Sep-10		Review	
Sep-13		Chapter 1 Test	
Sep-14	Chapter Two	2-1	p. 64 11-36 all
Sep-15		2-2/optional	
Sep-16		2-3	p. 78 16 - 44 even
Sep-17		2-4	p. 85 12 - 29 all
Sep-20		2-5	p. 92 16 - 27 all, 33,34 (no paragraph proofs)
Sep-21		Review sections 1 - 5	
Sep-22		Quiz	
Sep-23		2-6	p. 97 14 - 31 all
Sep-24		2-7	p. 104 12 - 23 all
Sep-27		2-8	p. 112 16 - 32 all, 38, 39
Sep-28		Review	
Sep-29		Review	
Sep-30		Chapter 2 Test	
Oct-1	Chapter Three	3-1	p. 129 22 - 47 all

Oct-4		3-2	p. 136 14 - 37 all, 39
Oct-5		3-3	p. 142 16-24 even, 25 - 38 all
Oct-6		3-4	p. 148 15 - 30 all
Oct-7	<i>State In-service</i>	No School	
Oct-8	<i>State In-service</i>	No School	
Oct-11		3-4	p. 148 31 - 42 all
Oct-12		Review solving system of equations	p. 743 7 - 24
Oct-13		Review solving system of equations	supplemental material
Oct-14		3-5	p. 155 13 - 31 all, 34-39 all
Oct-15		3-6 optional	p. 162 11 -27 all
Oct-18		Review	
Oct-19		Chapter 3 Test	
Oct-20	Chapter Four	4-1	p. 181 13 - 18 all, 22 -29 all, 32 -38 even
Oct-21		4-2	p. 189 11 - 40 all
Oct-22		4-3	p. 195 9 - 16 all, 20, 26 27,29,30
Oct-25		Review sections 1 - 3	
Oct-26		Quiz	
Oct-27		4-4	p. 204 10, 12, 16-19 all, 22-25 all
Oct-28		4-4	Proofs worksheets
Oct-29	<i>end of first quarter</i>	Flex Day	
Nov-1		4-5	p. 211 10 - 20 even (no paragraph proofs)
Nov-2		4-5	Proofs worksheets/review
Nov-3		Quiz	
Nov-4		4-6	p. 219 9 - 30 all, 35 - 37 all
Nov-5	<i>Staff Development</i>	No School	
Nov-8		Review	
Nov-9		Review	
Nov-10		Chapter 4 Test	
Nov-11	Chapter Five	5-1	Activity page 236
Nov-12		5-1	p. 243 13 -26 all
Nov-15		5-2 (5-3 optional)	p. 252 17 - 42 all 46,48
Nov-16		Review Sections 1-2	
Nov-17		Quiz	

Nov-18			
Nov-19			
Nov-22	<i>Thanksgiving Vacation</i>	No School	
Nov-23	<i>Thanksgiving Vacation</i>	No School	
Nov-24	<i>Thanksgiving Vacation</i>	No School	
Nov-25	<i>Thanksgiving Vacation</i>	No School	
Nov-26	<i>Thanksgiving Vacation</i>	No School	
Nov-29		5-4	p. 264 14-39 all
Nov-30		5-5	p. 270 3-6 all, 10-19 all
Dec-1		Review	
Dec-2		Review	
Dec-3		Chapter 5 Test	
Dec-6	Chapter Six	6-1	p. 285 12 - 24 all, 28 - 35 all
Dec-7		6-2	p. 293 11 - 15 all, 17-20 all, 27-33
Dec-8		6-2	p. 295 34 -48 all
Dec-9		6-3	p. 302 10 - 21 all, 26, 28
Dec-10		Flex Day	
Dec-13		Section 1-3 Review	
Dec-14		Quiz	
Dec-15		6-4	p. 312 14 - 27 all, 33, 34
Dec-16		6-5	p. 320 10 - 15 all, 19 -27 all, 35, 36
Dec-17	<i>Early Release</i>	Review 6-4/6-5	p. 312 14 - 27 all, 33, 34
Dec-20	Winter Break	No School	
Dec-21	Winter Break	No School	
Dec-22	Winter Break	No School	
Dec-23	Winter Break	No School	
Dec-24	Winter Break	No School	
Dec-27	Winter Break	No School	
Dec-28	Winter Break	No School	
Dec-29	Winter Break	No School	
Dec-30	Winter Break	No School	
Dec-31	Winter Break	No School	

Jan-3		Review	p. 320 10 - 15 all, 19 -27 all, 35, 36
Jan-4		Review	
Jan-5		Chapter 6 Test	
Jan-6		Review simplifying radicals	p. 745 1-20 all
Jan-7		Review sums and products of radicals	Reviewing radicals prepares students for
Jan-10		Review differences of radicals and solving	second semester
Jan-11		Quiz over radicals	
Jan-12		Semester Review	
Jan-13		Semester Review	
Jan-14		Semester Review	
Jan-17	<i>Martin Luther King Jr. Day</i>	No School	
Jan-18		Semester Review	
Jan-19		Semester Test	
Jan-20		Semester Test	
Jan-21		Semester Test	

2010-2011		Syllabus- Semester Two Geometry	
Date	Event Sequence	Lecture/Discussion Topics	Assignments
Jan-24	<i>District In-service</i>	No School	
Jan-25	Chapter Seven	7-1	p. 346 (13-32 all)
Jan-26		7-1	<i>Extra practice Teacher Made or p. 766 1-12 all</i>
Jan-27		7-2	p.354 (12-17 all,18, 20, 22-25 all, 30-35 all)
Jan-28		7-3	p. 360 (4,5,11,12,13,17,22,25,27,28)
Jan-31		7-3	p. 360 (6-8 all,14-16 all,18-21 all, 23,24,26,36,38)
Feb-1		Review sections 1 - 3	<i>Teacher made</i>
Feb-2		Quiz	
Feb-3		7-4	p. 367 (5,6,19-47 odd)
Feb-4		7-4	p. 368 (18-48 even)
Feb-7		7-5	p. 373 (5-19 odd)
Feb-8		Quiz 7-4/7-5	
Feb-9		Review	
Feb-10		Review	
Feb-11		Chapter 7 Test	
Feb-14	Chapter Eight	8-1	p. 407 (16-32 all, 35-41 all)
Feb-15		8-2	p. 415 (16-34 all, 46)
Feb-16		8-3	p. 421 (13-24 all, 26, 28)
Feb-17		Review sections 1 - 3	
Feb-18		Quiz	
Feb-21	<i>President's Day</i>	No School	
Feb-22		8-4	p. 428 (4-7 all, 10-24 all, 28)
Feb-23		8-5	p. 434 (12-20 all, 22, 26-31 all)
Feb-24		8-4/ 8-5 review	
Feb-25		8-6	p. 442 (10, 12, 13-19 all, 22, 24, 26-28 all)
Feb-28		Review (Skip 8-7)	
Mar-1		Review	
Mar-2		Chapter 8 Test	
Mar-3	Chapter Nine	9-1	p. 467 (15-26 all, 28,30, 35,36)
Mar-4		9-2	p. 472 (9-20 all, 27,28)
Mar-7		9-3	p. 479 (9-11, 14-18, 22,24)
Mar-8		Review sections 1 -3	
Mar-9		Quiz (9.4 optional)	
Mar-10		9-5	p. 494 (20-35 all)
Mar-11		9-6	p. 503 (15-20 all, 22-36 even, 48-52 even)

Mar-14		Review (9.7 optional)	
Mar-15		Review	
Mar-16		Chapter 9 Test	
Mar-17	Chapter Ten	10-1	p. 526 (16-55 all)
Mar-18		10-2	p. 533 (14-43 all, 47-50 all)
Mar-21		10-3	p. 540 (11-35 all)
Mar-22		10-4	p. 549 (8-25 all)
Mar-23		Review sections 10.1 - 10.4	
Mar-24		Quiz 10.1 - 1.4	
Mar-25	End of 3rd Quarter	Flex Day	
Mar-28	<i>Spring Break</i>	No School	
Mar-29	<i>Spring Break</i>	No School	
Mar-30	<i>Spring Break</i>	No School	
Mar-31	<i>Spring Break</i>	No School	
Apr-1	<i>Spring Break</i>	No School	
Apr-4		10-5	p. 556 (8-20all, 23-25 all)
Apr-5		10-6	p. 564 (12-32 all)
Apr-6		10-7	p. 572 (8-19 all, 22-28 all)
Apr-7		10-7	worksheet
Apr-8		10-8	p. 578 (10-33 all)
Apr-11		Review	
Apr-12		Review	
Apr-13		Chapter 10 Test	
Apr-14		Review Special Triangles	supplemental material
Apr-15	Chapter 11	11-1	p. 598 (9-19 all, 26-28 all)
Apr-18		11-2	p. 606 (13-21 all, 22-34 even, 40-45 all)
Apr-19		11-3	p. 613 (3,4,8-13 all, 30-33 all)
Apr-20		11-3	p. 613 (14-22 all, 39-44 all)
Apr-21		11-4	p. 619 (3-18 all)
Apr-22		11-5	p. 625 (7 - 23)
Apr-25	ISAT Window	Review	
Apr-26		Chapter 11 Test	
Apr-27	Chapter Twelve	12-1	p. 640 (16-30 all)
Apr-28		12-2 (optional)	
Apr-29		12-3	p. 651 (6-24 all)
May-2		12-4	p. 657 (4-20 all)
May-3		Review 12-1 - 12-4	
May-4		Quiz	
May-5		12-5	p. 663 (7-16 all, 21-24 all)
May-6		12-5	worksheet

May-9		12-6	p. 668 (3-23 all)
May-10		12-7	p. 675 (10-29 all)
May-11		Review	
May-12		Review	
May-13		Chapter 12 Test	
May-16	Chapter Thirteen	13-1	p. 692 (7-18 all)
May-17		13-2	p. 699 (8-19 all)
May-18		13-3	p. 704 (4-22 all)
May-19		13-4	p. 710 (11-16 all, 18-23 all, 27-30 all)
May-20		Review	
May-23		Review	
May-24		Chapter 13 Test	
May-25		Semester Review	
May-26		Semester Review	
May-27		Semester Review	
May-30	<i>Memorial Day</i>	No School	
May-31		Semester Review	
Jun-1		Semester final	
Jun-2		Semester final	
Jun-3	<i>Last day of school</i>	Semester final	