

Discovery Algebra Curriculum Map September 2010

Semester 1

- Chapter 1: Data Exploration

Middle school :1.1, 1.2, 1.3, 1.4 cover 8.3 PE's can be taught at any point in the year prior to MSP

High School: above sections minimally cover some from A1.6, could be added at any point in the year

- Intro to year

3 days

- Chapter 2 and 3: Proportional Reasoning / Variation and Graphs

Could be completed as 2 short units or 1 longer unit

2.1	A.1.2.B	
2.2	A1.1.A	
2.3	converting cm to in (etc)- do at request of Science	
2.4	A1.1.A	
3.1	rates: from MS 6.3.B, 7.2.B	
3.2	A1.3.B	Unit: 15 days
3.3	scale drawings: from MS 7.2.D	
3.4	A1.3.B	Sem: 18 days

- Chapter 4: Linear Equations

4.1	Order of operations, distributive property: from MS 6.2.D	
4.2	A.1.2.B	
4.3	A1.7.C- supplement to align to arithmetic sequence PE	
4.4	A1.7.C	
4.6	A1.1.B, A1.3.B, A1.4.A	Unit: 17 days
4.7	A1.4.C	
4.8	A1.4.A	Sem: 35 days

-Chapter 5: Fitting a Line to Data

5.1	A1.4.C	
5.2	A1.4.B, A1.6.D	
5.3	A1.4.B	Unit: 20 days
5.4	A1.4.B	
5.5	A1.6.D	Sem: 55 days

- Chapter 6: Part I- System of Linear Equations

6.1	A1.1.C, A1.4.D	Unit: 14 days
6.2	A1.1.C, A1.4.D	
6.3	A1.1.C, A1.4.D	Sem: 69 days

-Chapter 6: Part II- Systems of Linear Inequalities

6.5	A1.4.A	Unit: 11 days
6.6	A1.4.C, A1.4.D	
6.7	A.1.4.C, A1.4.D	Sem: 80 days

This outline leaves 10 days in semester 1 for High School for Semester review & test, assemblies, half days. (there are no HSPE test during semester 1)

Semester 2- Discovering Algebra

-Chapter 7: Exponents and Exponential Models

7.1	A1.7.C	
7.2	A.1.1.E, A1.7.A, A1.7.B	Unit: 15 days
7.3	A.1.2.C	
7.4	A.1.2.C	Sem: 15 days
7.5	A1.1.E, A.1.2.C	
7.6	A.1.1E, A.1.2.C	

-Chapter 8: Functions

8.1	A.1.3.A	
8.2	A1.3.A	
8.3	A1.3.A	Unit: 17 days
8.4	A1.3.C	
8.5	A1.8.E	Sem: 32 days
8.6	A1.4.E	
8.7	A1.5.A	

Add a couple of days with radicals after squares, etc in 8.7

Add 4 HSPE days = 36 days

-Chapter 9: Transformations

9.1		
9.2	A1.4.E, A1.5.B	Unit: 11 days
9.3	A1.4.E, A1.5.B	
9.4	A1.4.E, A1.5.B	Sem: 47days

Polynomial Unit

Unit: 10 days
Sem: 57 days

-Chapter 10: Quadratic Models

10.1	A1.1.D, A1.5.A (add some radicals in here)	
10.2	A1.1D, A1.5.B	
10.3		
10.4	A1.2.E, A1.5.C	Unit: 22 days
10.6	A1.5.D	
10.7	A1.5.D	Sem: 79 days
10.8	A1.2.C	

Add 1 day for State End of course test = 80 days

This leaves 10 days in second semester for review and Semester Test, assemblies, etc.

