# Summary

December	Reactants	Translations	Common	Build	Misc	Misc	SUBTOTAL
2009	Leftovers		Code	Process	Sims	Other	
1	1.25	0	0	0.5	0	0.25	2
2	0	0	0	0	0	0	0
3	0	0	0	0	0.5	2.75	3.25
4	0	0	3.75	0	0	0.25	4
5	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0
7	0	0	0	0	3	0	3
8	2.5	0	0	0.25	0	0	2.75
9	5.25	0	0	0	0.25	0.25	5.75
10	0	0	0	0.25	0.25	2	2.5
11	0	0	0	3	0	0	3
12	0	0	0	0	0	0	0
13	0	0	0	0	0	0.5	0.5
14	1.25	0	3.25	0	0	0	4.5
15	0	0	3.75	0	0	0	3.75
16	0	0	3.25	0	0	0.5	3.75
17	1.75	0	1	2	0.5	1.75	7
18	0	0.25	0.25	0	0.25	0	0.75
19	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0
21	5	0.5	0.5	0	0	0.5	6.5
22	0	0.75	0.5	1	0	1.75	4
23	3.5	0.5	0	0	0	0	4
24	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0
29	5	0	1.25	0	0	0.25	6.5
30	0	1.75	2.25	0	0	0.5	4.5
31	5	0	0	0	0	0	5
TOTAL	30.5	3.75	19.75	7	4.75	11.25	77
	39.6%	4.9%	25.6%	9.1%	6.2%	14.6%	

## Reactants, Products and Leftovers

December	Design	Code	Debug	Changes	SUBTOTAL	Notes
2009						
1		1.25			1.25	
2					0	
3					0	
4					0	
5					0	
6					0	
7					0	
8				2.5	2.5	
9		5.25			5.25	
10					0	
11					0	
12					0	
13					0	
14		1.25			1.25	
15					0	
16					0	
17		1.75			1.75	
18					0	
19					0	
20					0	
21		3.5		1.5	5	
22					0	
23		3.5			3.5	
24					0	
25					0	
26					0	
27					0	
28					0	
29		5			5	
30					0	
31		5			5	
TOTAL	0		0	4	30.5	

### Translations

December	Design	Code	Debug	Other	SUBTOTAL	Notes
2009						
1					0	
2					0	
3					0	
4					0	
5					0	
6					0	
7					0	
8					0	
9					0	
10					0	
11					0	
12					0	
13					0	
14					0	
15					0	
16					0	
17					0	
18	0.25				0.25	2033
19					0	
20					0	
21			0.5		0.5	2046
22			0.75		0.75	1891
23		0.5			0.5	bash script
24					0	
25					0	
26					0	
27					0	
28					0	
29					0	
30			1.75		1.75	1891,2075
31					0	
TOTAL	0.25	0.5	3		3.75	

### Common Code

December	Design	Code	Debug	Other	SUBTOTAL	Notes
2009						
1					0	
2					0	
3					0	
4			3.75		3.75	1898,89
5					0	
6					0	
7					0	
8					0	
9					0	
10					0	
11					0	
12					0	
13					0	
14			3.25		3.25	2015,2018
15	3.75				3.75	1948,2019,1907
16				3.25		1907
17	1					1907
18		0.25			0.25	2019,2030
19					0	
20					0	
21			0.5			2047
22	0.5				0.5	1907
23					0	
24					0	
25					0	
26					0	
27					0	
28					0	
29			1.25			2072
30			2.25		2.25	2072
31					0	
TOTAL	5.25	0.25	11	3.25	19.75	

### **Build Process**

December	Design	Code	Debug	Other	SUBTOTAL	Notes
2009						
1	0.25		0.25			1921,1926
2					0	
3					0	
4					0	
5					0	
6					0	
7					0	
8			0.25		0.25	
9					0	
10				0.25	0.25	
11				3	3	1964 redeploy all Java sims to dev
12					0	
13					0	
14					0	
15					0	
16					0	
17			2		2	2026
18					0	
19					0	
20					0	
21					0	
22			1		1	Flash CS4
23					0	
24					0	
25					0	
26					0	
27					0	
28					0	
29					0	
30					0	
31					0	
TOTAL	0.25	0	3.5	3.25	7	

### Misc Sims

2009 1 2 3 4 5 6 7 8	0.5				0	
3 4 5 6 7	0.5				0	
3 4 5 6 7	0.5					
4 5 6 7 8					0.5	discuss Titration and Balancing Equations
6 7 8					0	
7 8					0	
8					0	
			3		3	89,1956,1951,1952,1953,1954,1955,1957,1959
0					0	
9				0.25	0.25	quick review of Natural Selection
10			0.25		0.25	Lac Operon stroke repaint problem
11					0	
12					0	
13					0	
14					0	
15					0	
16					0	
17			0.5			1283
18			0.25		0.25	1283
19					0	
20					0	
21					0	
22					0	
23					0	
24					0	
25					0	
26					0	
27					0	
28					0	
29					0	
30					0	
31 <b>TOTAL</b>	0.5	0	4	0.25	0 <b>4.75</b>	

### Misc Other

December	Meetings	Reports	Other	SUBTOTAL	Notes
2009					
1			0.25	0.25	statistics discussion
2				0	
3	1.75		1		1944,1945
4			0.25	0.25	discuss code doc with Wendy
5				0	
6				0	
7				0	
8				0	
9		0.25		0.25	
10	2			2	
11				0	
12				0	
13			0.5	0.5	create Unfuddle tickets for testing all Java sims
14				0	
15				0	
16		0.25	0.25	0.5	2020
17	1.75			1.75	
18				0	
19				0	
20				0	
21			0.5	0.5	verify and close misc tickets
22	1.5	0.25		1.75	
23				0	
24				0	
25				0	
26				0	
27				0	
28				0	
29			0.25	0.25	misc Unfuddle tickets
30			0.5	0.5	2073
31				0	
TOTAL	7	0.75	3.5	11.25	