

HOMEWORK DUE**Classwork -- subject to change****week1 9-Jan**

11-Jan CHpgs: 3, 4, 5
print Chapters 1, 2
print TOC

13-Jan CHpgs: 6--9, 27

Teaching Patterns
Registration--pretest
Caesar Cipher - More Encryption
Cracking Caesar
Introduction Cricket Teaching Project
Additive: wheel and negative numbers
Ciphers and Functions
Three problems with functions
Numbernames
Additive with 35
Sideways Arithmetic

week2 16-Jan

18-Jan pgs 15, 16
read: Manuevers
Chapter 1 complete

20-Jan Print Chapter 3

NOCLASS
ASCII CODE
Patterns in ASCII Code
Arithmetic in Octaland
Numbernames in Octaland
Sideways arithmetic in Octaland

week3 23-Jan Presentation Proposal
Chapter 2 complete**25-Jan**

27-Jan Print Chapter 4
Chapter 3 complete

Crickets: Modeling with negative numbers
Crickets and Arithmetic Sequences
Some definitions and previous notions
Basic rules of Arithmetic
More Basic rules for Algebra, Solving Equations
Gelfand notes Negative Numbers
identifying identities
Multiplicative ciphers
Crickets on Spirals

week4 30-Jan CHpgs: 12--19, 31, 32**1-Feb**

3-Feb CHpgs: 22--24

The Division Algorithm
Affine ciphers
PRESENTATIONS -- More Cricket Problems

week5 6-Feb CHpgs: 10,11,29,30
Chapter 4 complete**8-Feb****10-Feb**

Substitution and Keyword Ciphers
Counting: How many cipher tables?
Frequency analysis
spanish cracking
MID TERM EXAM I