



Table of Contents

Preface	6
Section 1	
Climate Control	8
Managing the Atmospheric Pressure	9
Emotions in the Classroom	10
Procedures and Rituals	10
Getting Student Attention	12
Warm-Ups (WUPS)	13
Celebrations and Affirmations	14
Getting Ready for Take Off	14
Worksheets	
<i>People Search</i>	16
<i>KWL</i>	17
<i>Emulate a Scientist</i>	18
<i>May the Forces Be With You – Experiments</i>	24
Fasten Your Seatbelts: Procedures and Rituals	29
Worksheets	
<i>WUPS: First I Think</i>	30
<i>WUPS with Altitude and Attitude</i>	35
<i>WUPS: Angle of Attack Palindrome Puzzles</i>	36
<i>More Palindromes</i>	37
<i>Words + Puzzles = Wuzzles</i>	38
<i>Crossword Approach</i>	43
<i>Creative Writing</i>	45
Section 2 Cleared for Take-Off: Critical and Creative Thinking	46
Worksheets	
<i>Captain, My Captain</i>	47
<i>Flight Attendants</i>	48
<i>Various Vocations</i>	48
<i>Catching a Plane</i>	49
<i>Pilot Exam</i>	49
<i>Astounding Aerodynamics</i>	50
<i>Ups and Downs: Compound Puzzles</i>	51
<i>26-Letter Lingo</i>	52
<i>At the Airport</i>	53
<i>Pre-Departure: Matching</i>	54
<i>What Am I?</i>	55
<i>Set, Climb, Power: Problem-Solving</i>	56
<i>Paired Problem-Solving</i>	57
<i>Venn Diagrams</i>	58
<i>Aviation Analogies</i>	59
<i>Aviation- and Space-Related Analogies</i>	60
<i>Team Trivia</i>	61
<i>Space and Flight Museum: First in Space</i>	62
<i>Rudder-ing Riddles</i>	63
<i>“Yoke” Jokes and Riddles</i>	64



<i>Sublime Rhyme Time</i>	66
<i>Honing Homonym Humor</i>	67
Section 3 Flying First Class: Contract Activity Packages	69
Choice and Variety	70
Learning Style Summary	70
The Elements of Learning Style	71
Contract Activity Packages	74
Worksheets	
<i>Up, Up, and Away</i>	77
<i>Life's Runway</i>	97
Student Feedback & Assessment Tools Examples	107
Learning Style Tactile Tools	116
Section 4 Blooming High and MI: Planning Models, Frameworks,	
and Choice Boards	132
Summary of Bloom's Taxonomy	133
Worksheets	
<i>Weigh Up High</i>	136
<i>Floating in the Sky</i>	137
<i>Time Flies</i>	138
<i>The Bermuda Triangle</i>	139
<i>A Risky Flight: The Bermuda Triangle Team Learning</i>	140
Summary of Multiple Intelligences	141
Worksheets	
<i>Let's Go Fly a Kite</i>	144
<i>Ballooning</i>	145
<i>Early Aviators</i>	146
<i>Amazing Aerobatics</i>	147
<i>Savvy Seaplanes</i>	148
<i>Jet Lag</i>	149
Thinker Keys	150
Vocabulary Think-Tac-Toe	152
Tiered Assignments	153
Research	154
Section 5 Group Aerodynamics	155
Soaring Squads	156
Theme Grouping	157
Section 6 Dead Reckoning Math	158
Worksheets	
<i>Chart the Dots: Addition</i>	159
<i>Subtraction: Inventors</i>	161
<i>Addition of Fractions</i>	162
<i>Multiplying High</i>	163
<i>Dividing Air Time</i>	164
Glossary	165
Answers	170
Appendix	177
Common Core Standards Addressed	180