

	ASEP Silver Level Series Preface. Preface. Acknowledgments. Credits	ix xi xii
PART I	Sport Mechanics Fundamentals	1
Commenced in Commenced in the Commenced in C	Chapter 1 Making a Smart Move	4 6
	Chapter 2 Starting With Basics Basic Mechanical Principles The Gravity of the Situation May the Force Be With You	12 18 24
РАЯТ II выпасанования и почения поче	Mechanical Principles in Sport	35
	Chapter 3 Getting a Move On	37 38 45
	Chapter 4 Rocking and Rolling How an Athlete Rotates (Angular Motion) Mechanical Principles for Rotation (Lever Systems). How an Athlete Initiates Rotation. What Happens When We Rotate (Velocity, Force, Inertia, and Momentum) How to Measure Angular Velocity During Cycling.	64 65 73
	Chapter 5 Don't Be a Pushover	104 105 108

	Chapter 6 Going With the Flow How an Athlete Goes With the Flow Mechanical Principles for Moving Through a Fluid Factors That Influence Moving Through Air and Water	122 123
PART III	Putting Your Knowledge of Sport Mechanics to Work	151
	Chapter 7 Analyzing Sport Skills Step 1: Determine the Objectives of the Skill	155 156 159 160 161 163
	Chapter 8 Identifying and Correcting Errors in Sport Skills Step 1: Observe the Complete Skill	170 173 176 179
	Chapter 9 Mechanics of Selected Sport Skills	187
	Appendix A: Answers to Review Questions Appendix B: Answers to Practical Activities Glossary Bibliography Index About the Author	221235241243