Cycling Cheatsheet

A comprehensive cheat sheet covering essential aspects of cycling, including gear, techniques, maintenance, and safety.

Essential Gear

Bike Types

Road Bike	Designed for speed and efficiency on paved roads. Lightweight with drop handlebars.
Mountain Bike	Built for off-road trails. Features suspension, knobby tires, and a sturdy frame.
Hybrid Bike	Versatile for both roads and light trails. Combines features of road and mountain bikes.
Gravel Bike	Designed for gravel roads and mixed terrain. Sturdier than a road bike, more efficient than a mountain bike.
Electric Bike (E-bike)	Assisted by an electric motor. Useful for commuting and climbing hills.
Touring Bike	Built for long-distance riding and carrying gear. Durable with comfortable geometry.

Safety Gear

Helmet	Essential for protecting your head in case of a fall.
Cycling Gloves	Provide grip, padding, and protection in case of a crash.
Cycling Glasses	Protect your eyes from sun, wind, and debris.
Cycling Shoes	Enhance pedaling efficiency, especially with clipless pedals.
Lights	Front and rear lights are crucial for visibility, especially at night or in low-light conditions.
Reflective Clothing	Increases visibility to motorists.

Other Essentials

Staying hydrated is essential.
For inflating tires on the go.
For basic repairs and adjustments.
In case of a flat tire.
To remove tires from rims.
To carry essential tools and spares.

Cycling Techniques

Pedaling

Cadence	Maintain a consistent cadence (pedal revolutions per minute) for efficiency. Aim for 80-100 RPM.
Smooth Pedal Stroke	Focus on a smooth, circular pedal stroke, engaging all leg muscles.
Gear Selection	Shift gears to maintain a comfortable cadence and effort level. Anticipate changes in terrain.
Climbing	Shift to lower gears, maintain a steady cadence, and lean forward slightly.
Descending	Stay relaxed, use brakes judiciously, and keep your weight balanced.
Sprinting	Shift to a higher gear, stand up, and pedal powerfully.

Body Position

Neutral Spine	Maintain a neutral spine to avoid back pain.
Bent Elbows	Keep your elbows slightly bent to absorb shocks.
Relaxed Shoulders	Avoid tensing your shoulders and neck.
Proper Saddle Height	Your leg should be almost fully extended at the bottom of the pedal stroke.
Handlebar Grip	Vary your hand position on the handlebars to avoid numbness.
Core Engagement	Engage your core muscles for stability and power.

Group Riding

Holding Your Line	Ride in a straight line and avoid sudden movements.
Signaling	Use hand signals to indicate turns, stops, and hazards.
Pace Line	Rotate riders at the front to share the workload.
Following Wheel	Maintain a safe distance from the rider in front of you.
Communication	Call out road hazards and changes in pace.
Etiquette	Be courteous to other riders and road users.

Bike Maintenance

Regular Checks

Tire Pressure	Check and inflate tires before each ride to the recommended pressure.
Brakes	Ensure brakes are functioning properly and brake pads have sufficient material.
Chain	Check for wear and lubrication.
Gears	Ensure smooth shifting.
Bolts	Check that all bolts are tightened to the correct torque.
Quick Releases	Ensure quick releases are properly secured.

Cleaning & Lubrication

Cleaning	Wash your bike regularly with soap and water to remove dirt and grime.
Chain Lubrication	Apply chain lubricant after cleaning and after riding in wet conditions.
Cable Lubrication	Lubricate brake and gear cables for smooth operation.
Greasing	Grease bearings and threads to prevent corrosion and ensure smooth movement.
Avoid Over- Lubrication	Excessive lubricant can attract dirt.
Wipe Excess Lubricant	After lubricating, wipe off any excess to prevent dirt buildup.

Basic Repairs

Changing a Tire	Carry tire levers, a spare tube, and a pump or CO2 inflator.
Adjusting Brakes	Learn how to adjust brake cable tension and brake pad alignment.
Adjusting Derailleurs	Learn how to adjust derailleur limit screws and cable tension for smooth shifting.
Tightening Bolts	Use a torque wrench to tighten bolts to the correct specification.
Chain Repair	Carry a chain tool and spare quick links to repair a broken chain.
Seeking Professional Help	For complex repairs, consult a professional bike mechanic.

Safety & Regulations

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Common Hazards

Legal Aspects

Obey Traffic Laws	Follow all traffic laws, signals, and signs.
Ride with Traffic	Ride on the right side of the road in the same direction as traffic.
Use Hand Signals	Signal your intentions to turn or stop.
Be Visible	Wear bright or reflective clothing, especially at night.
Use Lights	Use front and rear lights at night and in low-light conditions.
Be Aware of Your Surroundings	Pay attention to traffic, pedestrians, and road hazards.

Potholes	Avoid potholes by steering around them or bunny-hopping over them.
Gravel	Be cautious on gravel or loose surfaces.
Drain Grates	Avoid riding over drain grates, which can trap your wheel.
Car Doors	Be aware of parked cars and opening doors.
Pedestrians	Yield to pedestrians and give them plenty of space.
Animals	Be aware of animals crossing the road.

Local Laws	Know and comply with local cycling laws and regulations.
Helmet Laws	Some jurisdictions require cyclists to wear helmets.
Bike Registration	Some cities require bike registration.
Insurance	Consider cycling insurance for liability and theft.
Rights and Responsibilities	Understand your rights and responsibilities as a cyclist.
Reporting Accidents	Know how to report cycling accidents to the authorities.

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