



Teachable Moments and Advances in Motorcycle Rider Training

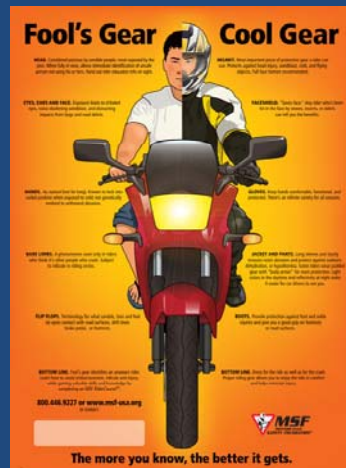
Learning in MSF Curricula

2015 Lifesavers Conference
Chicago, Illinois



MSF's *Seriously Safe* Top Ten

1. Take formal training and get licensed.
2. Wear all gear when riding.
3. Ride unaffected by alcohol or drugs.
4. Assume others don't see you.
5. Maintain 360° awareness.
6. Give yourself a space cushion.
7. Enter intersections and curves with caution.
8. Practice emergency braking and swerving.
9. Save aggressive riding for the racetrack.
10. Refresh your skills and knowledge regularly.



Bonus: Keep safety top-of-mind and actively search for collision traps.

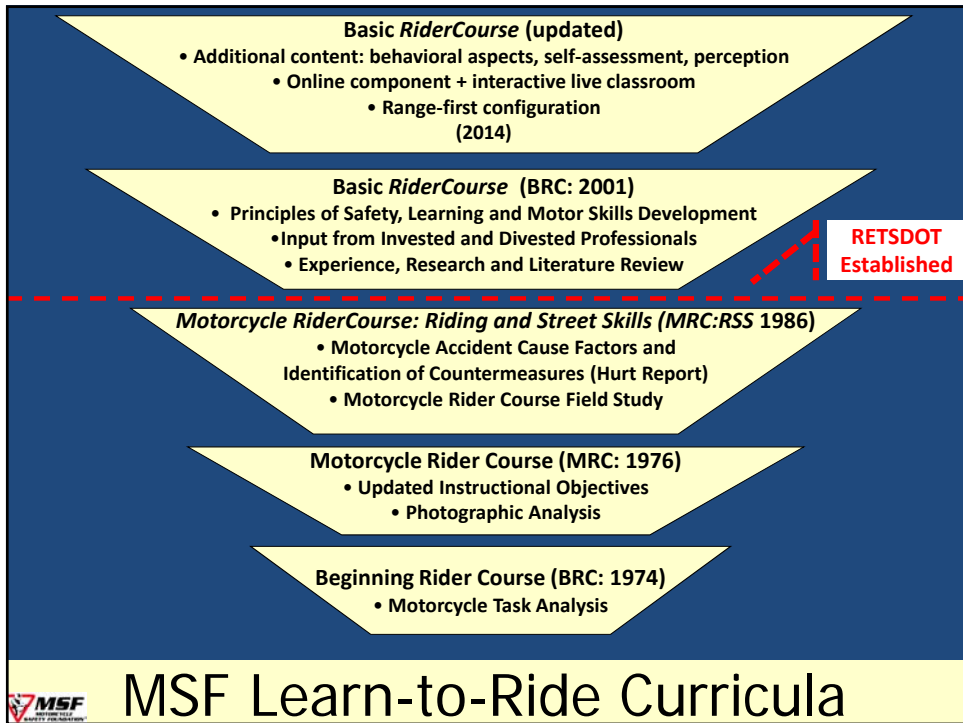
MSF MOTORCYCLE SAFETY FOUNDATION


Ponder Point

Training undoubtedly is useful in teaching the skills needed to operate a motorcycle. But most crashes are caused by poor judgment, poor attitudes, or poor higher-order crash avoidance behavior (such as lack of proper search techniques), not by poor operating skills, and training for novice riders has not been effective in improving these higher-order behaviors.

**Prioritized Recommendations
Of the National Agenda for
Motorcycle Safety
Final Report**

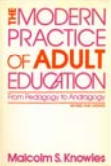
What's a Program To Do ?




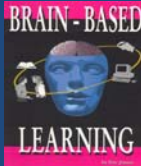



Adult, Brain-Based, Learner-Centered

- Learner meaningfulness
- Emotions
- Intrinsic motivation
- High challenge/low threat
- Experiential within a safe learning environment
- Primary Characteristics
 - » Active Processing
 - » Orchestrated Immersion
 - » Relaxed Alertness









MSF RETS: 2015

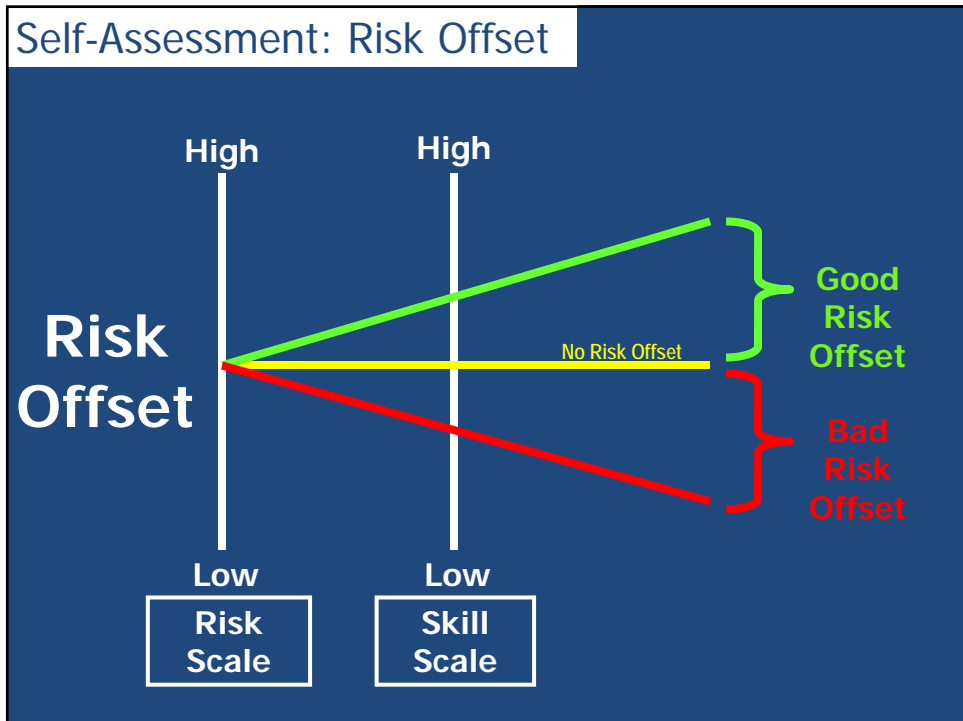
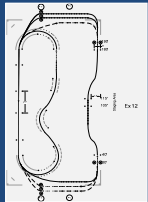
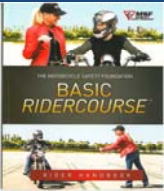


Learning-to-Ride	Improving-the-Ride	Specialized Programs	Host-An-Event
<p>Basic <i>RiderCourse (BRC)</i> Standard Expanded Small Group Tutoring Skills Practice Formal Remedial Training</p> <p>Basic <i>RiderCourse 2</i> License Waiver Skills Practice</p> <p>Street <i>RiderCourse 1</i></p> <p>Basic Bike Bonding <i>RiderCourse</i></p> <p>Returning Rider Basic <i>RiderCourse</i></p> <p>3-Wheel Basic <i>RiderCourse (2)</i></p> <p>Scooter Basic <i>RiderCourse</i></p>	<p>Street <i>RiderCourse 2</i></p> <p>Advanced <i>RiderCourse</i></p> <p>Safe Motorcyclist Awareness and Recognition Trainer (SMART)</p> <p>Ultimate Bike Bonding <i>RiderCourse</i></p> <p>MSF Kevin Schwantz <i>RiderCourse</i></p> <p>Street <i>RiderCourse 3</i></p>	<p>MSF Basic <i>eCourse</i></p> <p>Introductory <i>Motorcycle Experience</i></p> <p><i>ScooterSchool</i>: Introduction to Scooters <i>RiderCourse</i></p> <p>Military Motorcycle <i>RiderCourse</i></p> <p>Military <i>SportBike RiderCourse</i></p> <p><i>DirtBike School</i>: <i>DirtBike BRC</i></p> <p>Trail Riding <i>RiderCourse</i></p> <p>State Education Programs</p> <p>Online (Digital) Programs</p>	<p>Intersection – <i>Motorist Awareness</i></p> <p>Share the Adventure – <i>Group Riding</i></p> <p>Street Smart – <i>Rider Perception</i></p> <p>Riding Straight – <i>Alcohol Awareness</i></p> <p>SeasonedRider – <i>Aging Awareness</i></p> <p>Introduction to Motorcycling – <i>Non-Rider Awareness</i></p>
<p><u>Essential Core</u></p> <p>Basic <i>RiderCourse</i> Street <i>RiderCourse 1</i> Basic Bike Bonding <i>RiderCourse</i></p>			
<p><u>Expanded Core</u></p> <p>Essential Core plus Street Smart – <i>Rider Perception</i> Advanced <i>RiderCourse</i> Street <i>RiderCourse 2</i></p>			
<p><u>Recommended Core</u></p> <p>Expanded Core plus Ultimate Bike Bonding <i>RiderCourse</i> MSF Kevin Schwantz <i>RiderCourse</i></p>			

MSF
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MSF BRC (updated)

In full, provides more...

- *Self-assessment*
- *Intersections and curves*
- *Perception*
- *Traps and escapes*
- *Safety values (social & emotional)*
- *Interactive experiences*



Section 9
Basics for Emergencies

Meaningful information?

Group 1: Page 34; Introduction through
Emergency Stop in a Curve (125-129)

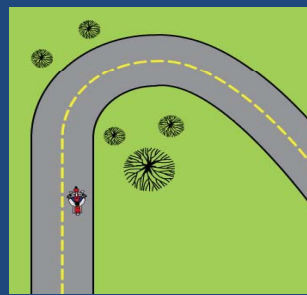
Group 2: Pages 34-35, Front Tire Skid through
Rear Tire Skid (130-131)

Group 3: Page 35, Swerving through The Brake
or Swerve Decision (132-134)

Group 1 Page 34, Introduction through
Emergency Stop in a Curve (125-129)

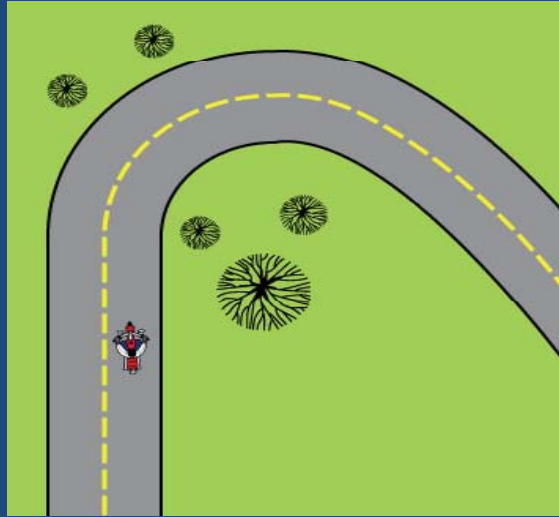


Tone Ring



All Groups

What procedure would you use to make an emergency stop in the middle of this curve?



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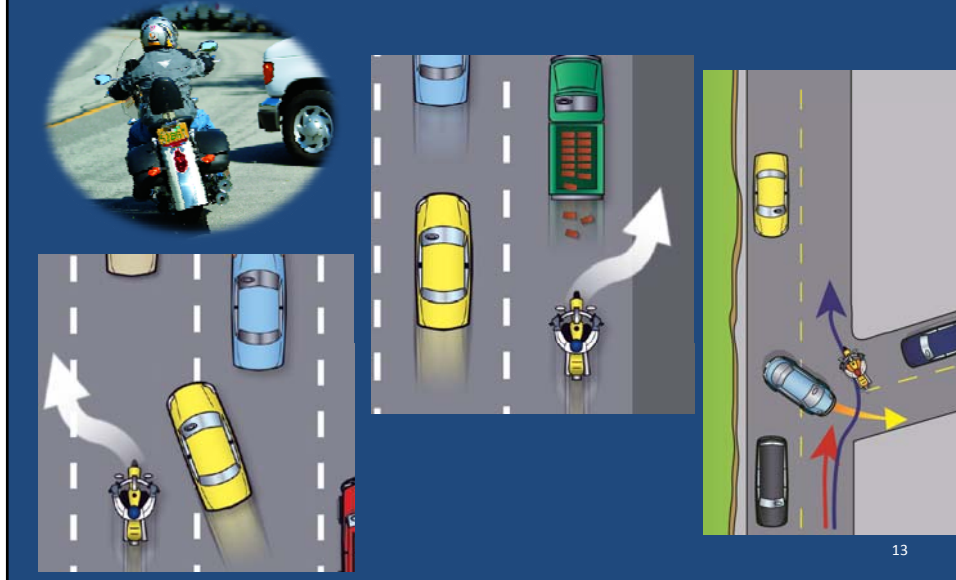
Group 2 Pages 34-35, Front Tire Skid through Rear Tire Skid (130-131)



High Side?
Low Side?




Group 3 Page 35, Swerving through The Brake or Swerve Decision (132-134)



BRC (updated): Level II Activities

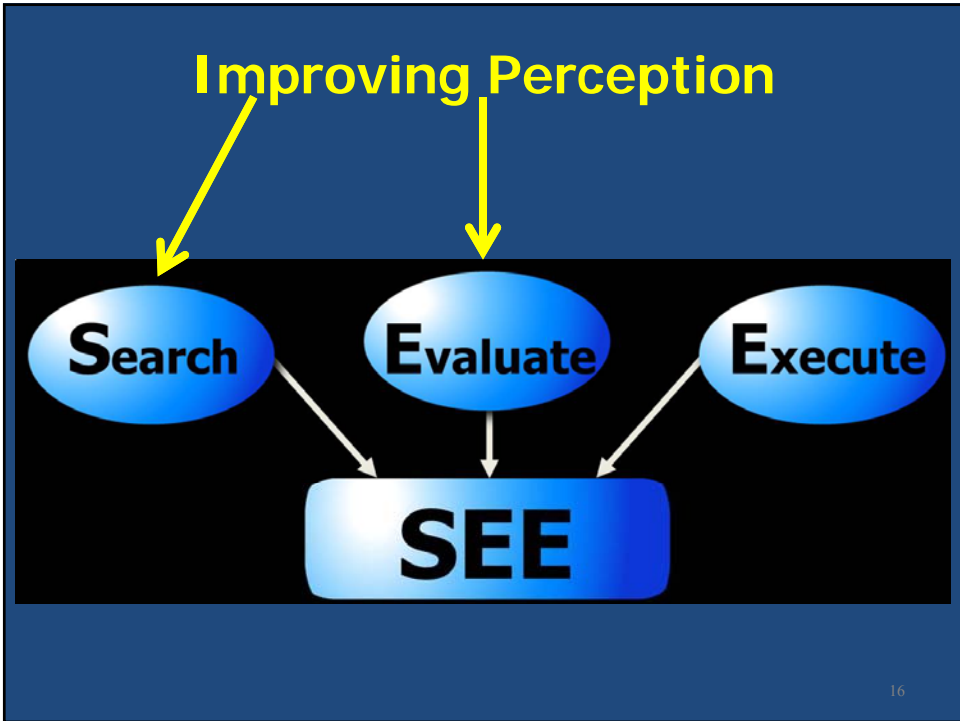
1. Pre-riding Quiz
2. Constructing an Intersection Crash
3. Constructing a Curve Crash
4. Driving Tendencies
5. Knowing Where to Look and What to Look For
6. Visual Acuity – Peripheral Vision – Useful Field of View – Central Vision – Reaction Time
7. Serious About Safety?
8. Safe vs. Risky Riding Behaviors
9. Key Safety Concepts (Situation Awareness)
10. Values, Judgment, and Choices

Rider Self-Assessment



Put a number from 1 (low) to 10 (high) in the space provided.

Item	1	2	3	4	5	6	7	8	9	10	11	12
Motorcyclist knowledge												
Motorcyclist skill												
Perceptual ability in traffic												
Degree of cooperation in traffic												
Likelihood of being in a crash												
Emotional commitment to safe riding												





Yes ... Sometimes ... No

1. I signal for turns and lane changes.
2. I stop completely at stop signs.
3. I make riding decisions based on safety first.
4. Others consider me a safe, courteous rider.
5. I honk at bad drivers.
6. When driving, I talk or text on my cell phone.
7. My friends crash and get tickets.

Not having YES to 1-4 and NO on 5-7 indicates a less than ideal commitment to riding safely.

..... To Draw Out

Interaction of factors

Escape paths

Search-Evaluate-Execute

Search-Setup-Smooth (curves)

Value of Executive Function

Conclusion

A rider makes a decision for a reason.

Riders of good character make the right choice.

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RETS Core Questions

1. What is the cause of crashes?
An interaction of factors
2. What is a good rider?
One who reduces contributing factors
3. How does a rider reduce factors?
Uses a thinking strategy: Search-Evaluate-Execute
4. How long does it take to reduce risk?
As long as it takes to make the choice
5. What is the primary challenge to be safe?
Making the choice to have lots of good risk offset



Learning in MSF Curricula

Digital Resources for Riders



For Millennials

MSF Basic eCourse

MSF Street Strategies eCourse

iTunes University Courses

- An Adventure in Motorcycle Physics
- Dr. Ray's Street Tips
- Dr. Ray's Guide to Group Riding
- Dr. Ray's Seasoned Rider eCourse

iBooks for iPad

- Rider Choices
- Intersection
- Intersection - Leader's Guide

iPhone / iPad Apps

- Dr. Jim's Riding Tips

