

CORE Curriculum Lesson Plan

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| Subject/Course: ISA-TOPE ADAS Curriculum |
| Topic: Truck Driver Operation |
| Lesson Title: Introduction to ADAS Operation |

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| Lesson Objectives: Upon completion of lesson, student will be able to:   * Understand the various pre-trip requirements related to ADAS (Autonomous Driver Assist System) * Understand the various operational procedures related to ADAS |

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| Resources Needed:   1. Truck Driver Operation PowerPoint 2. Access to the following videos   <https://www.youtube.com/watch?v=RxASO0gLAvs> (Crash Mitigation System - Extended)  <https://www.youtube.com/watch?v=0nCdQE7JKnA> (Crash Mitigation System)  <https://www.youtube.com/watch?v=4GalK7fIddQ> (Adaptive Cruise Control)  <https://www.youtube.com/watch?v=IOrMH5zzXsI> (Lane Alert)   1. Copy of truck owner’s manual (optional) |

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| Summary of Tasks/Actions:   * Show PowerPoint; Ensure understanding through asking summative questions of students during presentation Answer Student Questions * Show at least one video for each system (CMS, ACC, Lane Alert) * Ensure general student understanding of material |

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| Supplemental/Options:   * Allow students access to the stationary truck to visualize the various components and features of the various ADAS systems |

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| References: |