**Basic Construction Equipment Fundamentals**

**Bakken Area Skills Center**

**Instructor:** George Adams

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**Course Description:** In the construction industry, the proper use of heavy equipment is necessary to ensure quality work and a safe work environment. In addition, being able to recognize and determine the use of specific heavy equipment, will create a more efficient work team. Heavy equipment is used in almost any construction project, from building a house to excavating for a new road.

**Course Objective:** In this course, students will be introduced to core equipment used by operating engineers, as well as their maintenance needs. Communication processes used by operating engineers, rigging and signaling practices, safety awareness and mathematical concepts related to the construction industry are also covered.

**Method of Instruction:** This class will be taught using a combination of classroom and hands-on instruction. A computer will be needed for classroom instruction. Students will meet at the Bakken Area Skills Center in Watford City &/or other work sites for hands-on supervised days as a part of this class. Appropriate clothing and footwear for driving, working around heavy equipment, and construction work sites will be worn for hands-on work days.

**Course Grading:** The grading scale shall be; A = 92-100, B = 83-91, C = 74-82, D = 65-73, 64 and below = failing.

**Late Work:** Late or missing work will be given a zero grade and entered into the course PowerSchool site with the appropriate late or missing work symbol until submitted satisfactorily. Students will be allowed to make up missing or late work following BASC guidelines – 2 days for each day missed for an excused absence.

**All policies and procedures as stated in the BASC Parent-Student Handbook will be followed at all times.**

**Course Communication:**

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