

Middle School Lawnmower Operations & Maintenance CDE

2024-2025 Description Sheet

Revised 7/26/2024

Event Format

1. **Written Exam – 20 MC questions over information from the references below**
2. **Problem Solving – 10 problem solving activities relating to lawnmower servicing, safe operation, care and maintenance.**
3. **Lawnmower Operations**
 - **Must wear safety glasses labeled with minimum of ANSI Z87.1**
 - **Must wear hearing protection with minimum NRR of 20**
 - **Explain pre-warm up procedure**
 - **Engine oil level**
 - **Air filter**
 - **Engine cooling system**
 - **Cutting Blades**
 - **Air Pressure in tires**
 - **Fuel level**
 - **Wheel lugs**
 - **Battery Condition**
 - **Belt tension and wear**
 - **Brake Lock**
 - **Discharge Chute Assembly**
 - **Safety Starting Switches**
 - **Belt Shields**
 - **Operate lawnmower through driving course (≤ 150 seconds for full time points)**
(Note: time ends when mower is shut off in the shed)

Test References:

- **Small Engines – 4th edition – ISBN # 978-0-8269-0033-3**
 - **Chapters 1, 3, 5, 7, 9 & 11**
- **Turfgrass Science & Management – 4th edition – ISBN # 978-1-4180-1330-1**
 - **Chapters 3, 4, & 11**