

# SMALL ENGINES

*Sonoma County 4-H*

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Guidelines for Project Proficiency Award

Beginner:

<u>Date</u>	<u>Leader's</u>
<u>Completed</u>	<u>Initials</u>

You will be required to learn:

1. The meaning of the following terms or phrases: (70%)

- |                      |       |       |
|----------------------|-------|-------|
| • 2 stroke           | _____ | _____ |
| • 4 stroke           | _____ | _____ |
| • intake stroke      | _____ | _____ |
| • compression stroke | _____ | _____ |
| • power stroke       | _____ | _____ |
| • exhaust stroke     | _____ | _____ |

2. You will demonstrate the location of the following parts and their purpose:

- |                   |       |       |
|-------------------|-------|-------|
| • air cleaner     | _____ | _____ |
| • spark plug      | _____ | _____ |
| • fuel tank       | _____ | _____ |
| • choke lever     | _____ | _____ |
| • oil filler plug | _____ | _____ |
| • piston          | _____ | _____ |
| • camshaft        | _____ | _____ |
| • connecting rod  | _____ | _____ |
| • valve(s)        | _____ | _____ |
| • carburetor      | _____ | _____ |
| • block           | _____ | _____ |

3. You will be required to: (30%)

- |   |       |       |
|---|-------|-------|
| • Remove the spark plug, and regap it if it is necessary.                       | _____ | _____ |
| • Check out and start a 2 or 4 cycle engine and adjust to proper running speed. | _____ | _____ |

4. You will be given a quiz: (40%)

- |   |       |       |
|---|-------|-------|
| • Take a twenty question true/false Quiz and pass it with 70% | _____ | _____ |
|---|-------|-------|

Project Leader's Signature of Completion: \_\_\_\_\_

Date: \_\_\_\_\_

Club Leader's Signature of Completion: \_\_\_\_\_

Date: \_\_\_\_\_