

Warm It Up! Planning Guide

Name _____

My Project Goals

Make a list or draw pictures of some of the exciting things you plan to do in this project. Put this information into your portfolio.

Things I Plan to Do

Year 1

Year 2

Year 3

Before and After—What Do You Know?

Here is a great way to see if you learn something new and develop important skills in this project. Before you start doing the activities in this guide, indicate what you know **NOW**. Then when you complete the *Warm It Up!*

Achievement program, write down here what you know **AFTER**. You may be surprised to see what you learned! Share the results with your helper.

Begin each skill with the words “*I know how to...*” Then circle **1** (to a great extent), **2** (somewhat) or **3** (not at all).

| <i>I know how to ...</i> | Before | After |
|--|--------|-------|
| Classify types of engines | 1 2 3 | 1 2 3 |
| Identify internal small engine parts | 1 2 3 | 1 2 3 |
| Identify specialty tools | 1 2 3 | 1 2 3 |
| Calculate the size of an engine | 1 2 3 | 1 2 3 |
| Perform a compression test and compute compression ratio | 1 2 3 | 1 2 3 |
| Adjust a carburetor | 1 2 3 | 1 2 3 |
| Disassemble a small engine | 1 2 3 | 1 2 3 |
| Prepare a small engine for storage | 1 2 3 | 1 2 3 |
| Research the effects of changing sprockets | 1 2 3 | 1 2 3 |
| Determine the best direction to mow grass based on the center of gravity | 1 2 3 | 1 2 3 |
| Demonstrate how different cuts affect grass health | 1 2 3 | 1 2 3 |
| Select small engine parts wisely | 1 2 3 | 1 2 3 |
| Decide whether to start a small business | 1 2 3 | 1 2 3 |

My Project Highlights

Make a list or draw pictures of the most exciting things you actually did. How does this list compare with your plan list?

Things I Did
