



Nevada County 4-H *Plant Science* Proficiency Program



LEVEL II – PRODUCER

NAME: _____

CLUB: _____

PROJECT: _____

PRIMARY MEMBERS ARE NOT ELIBIGLE TO PARTICIPATE IN PROFICIENCY PROGRAMS.

1. Identify and describe six different species of trees and plants. Three of which must be native to your area.

1.	_____	_____
2.	_____	_____
3.	_____	_____
4.	_____	_____
5.	_____	_____
6.	_____	_____

2. Give one example of a plant used for each of the purposes listed:

Cut flower	_____	Foliage accent	_____
Cut foliage	_____	Flower color	_____
Windbreak	_____	Lawn tree	_____
Parkway	_____	Species	_____
Hedge	_____	Border	_____
Barrier	_____	Background	_____
Fragrance	_____	Utility-medical	_____
Utility-food	_____		

3. Name four plant growth factors and explain the basics of photosynthesis.

1.	_____
2.	_____
3.	_____
4.	_____

4. Collect seeds from vegetables, field crops, flowers, shrubs and trees. Mount and label the seeds you have collected.

_____ *Project leader's signature* _____ *date* _____

5. Demonstrate four different techniques of propagation. Example: budding, cuttings, plant division, layering, grafting.

1.	_____	_____
2.	_____	_____
3.	_____	_____
4.	_____	_____

6. Describe how your plant propagates.

7. Experiment with at least two types of fertilizer, then tell which you prefer and why.

1. _____ 2. _____

8. Describe and demonstrate what you can do to protect your plant during hot and cold weather.

_____ *Project leader's signature* _____ *date*

9. Describe and give control measures for at least three diseases or problem conditions.

1. _____

2. _____

3. _____

10. Visit an established operation and learn how the plants are cared for and marketed.

What I did: _____

_____ *Project leader's signature* _____ *date*

11. Prepare one food dish from an edible plant grown in your project and share it with your family or project group.

What I did: _____

_____ *Project leader's signature* _____ *date*

12. Keep an account of cash expenses for equipment and materials.

_____ *Project leader's signature* _____ *date*

13. Do something creative with your project.

What I did: _____

Project leader's signature *date*

14. Display your project outside your group.

What I did: _____

Project leader's signature *date*

15. Help someone else by sharing your knowledge or by giving away a product from your project to demonstrate positive citizenship.

What I did: _____

Project leader's signature *date*



Congratulations!
You have completed Level II of the Plant Science
Proficiency Program.

Name _____ Age _____

Club _____

Project _____

Project Leader's _____
Printed Name Signature

Date _____

County Coordinator's _____
Printed Name Signature

Date _____