



# Wheel Launch Syllabus

United States Powered Paragliding Association

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**ver 2019a**

**T**his guide is intended to be used for instructors who are training students on wheel launch. It is used in addition to the regular PPG 1 through PPG 3 syllabus as needed. When completed, it is only necessary to send the signature first page with appropriate initials/signatures.

# PPG 1 Wheel Launch *Syllabus Addendum*



Students/Instructors go through the relevant parts of the PPG 1 syllabus and adhere to those limitations as well as those listed here. When completed, the student and instructor sign below in order for a rating to be administered:

In addition to the applicable PPG 2/3 Syllabus,  
**Instructor:** I have given the training listed in this syllabus.  
**Student:** I have received the training listed this syllabus.

\_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_  
 Print Instructor Name                      Instructor Signature                      Date

\_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_  
 Print Student Name                      Student Signature                      Date

Task	---Initials---		Curr Date
	Stud	Instr	

## 1. PPG 1 Wheels Knowledge. Time 3:00 including classroom, field & Video

(a) Preflight..... \_\_\_\_\_

- i. Hang points so rear wheels liftoff last.
- ii. A-assists. Basics of operation and use.

(b) Layout..... \_\_\_\_\_

- i. Keeping lines out of prop and wheels using either line holders or careful layout.
- ii. Line tension to keep lines from being sucked into prop.
- iii. When and proper technique to start motor.
- iv. How and why to use A-Assists.

(c) Launch..... \_\_\_\_\_

- i. Throttle control for inflation and taxi.
- ii. Why to abort.
- iii. Importance of having wing stable overhead before taking off.
- iv. How to abort. (let off throttle, press and hold kill switch).
- v. Wing steering vs. Ground Steering.
- vi. Use of mirror (if equipped).

(d) Inflight..... \_\_\_\_\_

i. Cart swinging effect on flight, why it happens more than foot launching.

(e) Landing ..... \_\_\_\_\_

(f) When to kill power..... \_\_\_\_\_

(g) Take and go over Wheel Launch online test, go over any missed questions.  
Test is for PPG 2 WL but if a PPG 1 is issued with a WL rating the test must be passed..... \_\_\_\_\_

**2. PPG 1 Pre-Solo Ground Handling (No Motor)**

(a) This is best covered in a situation where the student can be shown and practice with the equipment. Tow or ground powered cart is ideal, if available, to learn inflations, taxi, and deflation without taking off..... \_\_\_\_\_

(b) Relevant parts of the cart. Structural support to carabiners, Line holders, A-assists..... \_\_\_\_\_

(c) Preparing wing so as to keep lines out of prop..... \_\_\_\_\_

**3. PPG 1 Pre-Solo Motor Use and Safety. Time 0:45**

(a) Preflight Inspection. .... \_\_\_\_\_

i. Cart lift carry through, Wheels, axles, steering, mirror (as equipped),

ii. A-Assists, Line holders.

(b) Starting & Getting in. .... \_\_\_\_\_

i. When to start, when to do runup (some machines may require it before hooking into wing),

ii. how to avoid blowing the wing.

**4. PPG 1 Pre-Solo Simulator:**

Like each task, these are in addition to those covered in the main syllabus. Anything not rehearsed will not likely be remembered.

(a) Cart movement in turbulence..... \_\_\_\_\_

(b) Off-center wing during taxi or takeoff..... \_\_\_\_\_

(c) Rollover—what to do with hands, feet and throttle..... \_\_\_\_\_

(d) Getting rolled back by wind..... \_\_\_\_\_

**5. PPG 1 Solo Flight Briefing. This is intended to be done immediately before the flight.**

(a) Have student explain how far off centered the wing can be and what to do if it goes beyond that..... \_\_\_\_\_

(b) When to go from taxiing to takeoff..... \_\_\_\_\_

# PPG 2/3 Wheel Launch *Syllabus Addendum*



Students/Instructors go through the relevant parts of the PPG 2/3 syllabus and adhere to those limitations as well as those listed here. When completed, the student and instructor sign below in order for a rating to be administered. As with all ratings, a student applying for a PPG 2 WL rating must also have completed the PPG 1 WL syllabus. A student applying for the PPG 3 WL rating must also have completed the PPG 2 WL syllabus.

In addition to the applicable PPG 2/3 Syllabus,  
**Instructor:** I have given the training listed in this syllabus.  
**Student:** I have received the training listed in this syllabus.

Circle one or both as appropriate: **2 / 3**

\_\_\_\_\_  
 Print Instructor Name, Instructor Signature, Date

\_\_\_\_\_  
 Print Student Name, Student Signature, Date

Task	---Initials---		Curr Date
	Stud	Instr	

## 1. Crosswind

(a) Setup for crosswind takeoff..... \_\_\_\_\_

- i. Where it would be used (roads, runways, other straight launch areas where it's not possible to be exactly into the wind.)
- ii. Offset method (placing cart slightly downwind of centered)
- iii. Off wind method (pointing cart slightly downwind of straight ahead)

(b) Taxiing with turns..... \_\_\_\_\_

- i. Leading with the wing.
- ii. Steering through turns requiring at least two 30 degree heading changes.
- iii. (WL for PPG 3) Intentionally getting the wing 20 degrees off and recovering.

(c) (WL for PPG 3) Assisted Launch..... \_\_\_\_\_

- i. When it would be used.
- ii. Briefing.