

Northwest Indian College

Bellingham, Washington

Total Score	656.91
Rank	17 of 28 (33 teams started)

NASA Student Launch Projects Scoring Rubric

2010-2011

Northwest Indian College

<u>Preliminary Design Review (15%)</u>		
Summary		
Team Summary	Included	1
Vehicle Summary	Included	1
Payload Summary	Included	1
Changes Since Proposal	Included	1
Milestone Review Flysheet	Included	1
Vehicle Criteria		
Launch Vehicle Design	Above Expectations	4
Launch Vehicle Testing	Above Expectations	4
Recovery System Design	Expected	3
Recovery System Testing	Expected	3
Mission Performance Predictions	Above Expectations	4
Payload Criteria		
Payload Design	Above Expectations	4
Payload Testing	Expected	3
Engineering/Science Value	Expected	3
Appropriate Level of Challenge	Expected	3
Safety		
Vehicle Safety	Above Expectations	4
Payload Safety	Expected	3
Manufacturing Safety	Expected	3
Project Plan		
Activity Plan/Status	Expected	3
Budget Plan/Status	Expected	3
Educational Engagement Plan/Status	Expected	3
Report and Presentation		
PDR Covered Required Material	Expected	3
PDR Appearance	Above Expectations	4
Presentation Professionalism	Expected	3
PDR Earned		65
PDR Possible		95
PDR Percentage		68.42
PDR Points (150)		102.63

NASA Student Launch Projects Scoring Rubric

2010-2011

NW Indian College

<u>Critical Design Review (15%)</u>		
Summary		
Team Summary	Included	1
Vehicle Summary	Included	1
Payload Summary	Included	1
Changes Since PDR	Included	1
Milestone Review Flysheet	Included	1
Vehicle Criteria		
Launch Vehicle Design	Above Expectations	4
Launch Vehicle Testing	Above Expectations	4
Recovery System Design	Expected	3
Recovery System Testing	Above Expectations	4
Mission Performance Predictions	Expected	3
Payload Criteria		
Payload Design	Expected	3
Payload Testing	Expected	3
Safety		
Vehicle Safety	Expected	3
Payload Safety	Expected	3
Manufacturing Safety	Expected	3
Project Plan		
Activity Plan/Status	Expected	3
Budget Plan/Status	Expected	3
Educational Engagement Plan/Status	Expected	3
Report and Presentation		
CDR Covered Required Material	Expected	3
CDR Appearance	Expected	3
Presentation Professionalism	Expected	3
CDR Earned		56
CDR Possible		85
CDR Percentage		65.88
CDR Points (150)		98.82

NASA Student Launch Projects Scoring Rubric

2010-2011

NW Indian College

<u>Flight Readiness Review (15%)</u>		
Summary		
Team Summary	Included	1
Vehicle Summary	Included	1
Payload Summary	Included	1
Changes Since CDR	Included	1
Milestone Review Flysheet	Included	1
Vehicle Criteria		
Launch Vehicle Design	Expected	3
Launch Vehicle Testing	Expected	3
Recovery System Design	Expected	3
Recovery System Testing	Expected	3
Mission Performance Predictions	Above Expectations	4
Payload Criteria		
Payload Design	Expected	3
Payload Testing	Expected	3
Safety		
Vehicle Safety	Expected	3
Payload Safety	Expected	3
Launch Operations Checklist	Far Exceeds Expectations	5
Project Plan		
Activity Plan/Status	Expected	3
Budget Plan/Status	Expected	3
Educational Engagement Plan/Status	Expected	3
Report and Presentation		
FRR Covered Required Material	Expected	3
FRR Appearance	Above Expectations	4
Presentation Professionalism	Expected	3
	FRR Earned	57
	FRR Possible	85
	FRR Percentage	67.06
	FRR Points (150)	100.59

NASA Student Launch Projects Scoring Rubric

2010-2011

SCHOOL NAME

Educational Engagement (10%)

2 EG Events Completed	Yes	5
Number of Students Engaged	Expected	3
Quality/Creativity of EG Event	Expected	3
		EG Earned
		11
		EG Possible
		15
		EG Percentage
		73.33
		EG Points (100)
		73.33

Website (5%)

Website at PDR	Expected	3
Website at CDR	Above Expectations	4
Website at FRR	Above Expectations	4
Website at PLAR	Above Expectations	4
		Web Earned
		15
		Web Possible
		20
		Web Percentage
		75.00
		Web Points (50)
		37.50

Flight and Recovery (20%)

Range Professionalism	Far Exceeds Expectations	5
Range Safety Rules Followed	Yes	5
Successful Launch	No	0
Successful Recovery	Partial	5
		FR Earned
		15
		FR Possible
		25
		FR Percentage
		60.00
		FR Points (200)
		120.00

Altitude (10%)

Altitude	Altitude Obtained in Feet	2325
		Target Alt
		5280
		Alt Target Delta
		-2955
		Deducted Points
		2955
		Alt Score
		2325
		Alt Points
		44.03

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2010-2011

SCHOOL NAME

Post Launch Assessment Review (10%)

Analysis of Flight	Above Expectations	4
Analysis of Vehicle	Above Expectations	4
Analysis of Payload Experiment	Above Expectations	4
PLAR Earned		12
PLAR Possible		15
PLAR Percentage		80.00
PLAR Points (100)		80.00

Penalties

PDR Late	No	0
CDR Late	No	0
FRR Late	No	0
PLAR Late	No	0
Talent Release Forms Late	No	0
Driver's Licences Late	No	0
Penalties Earned		0

Totals (1000)

Preliminary Design Review	15%	102.63
Critical Design Review	15%	98.82
Flight Readiness Review	15%	100.59
Educational Engagement	10%	73.33
Website	5%	37.50
Flight and Recovery	20%	120.00
Altitude	10%	44.03
Post Launch Assessment Review	10%	80.00
Penalties	100 each	0
Total Score		656.91

Total Score

656.91