

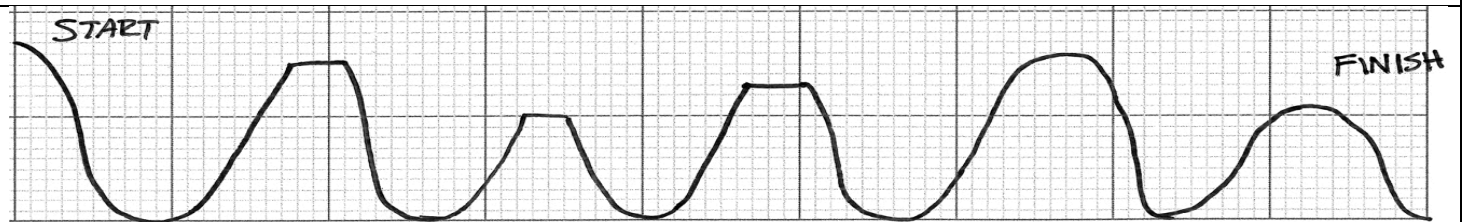
Skate Park Challenge - Skate Park Analysis – Section 3 8DMS

NAME: _____ DATE: _____

STUDENT #: _____ TEACHER: _____

HELMET TYPE: BLACK

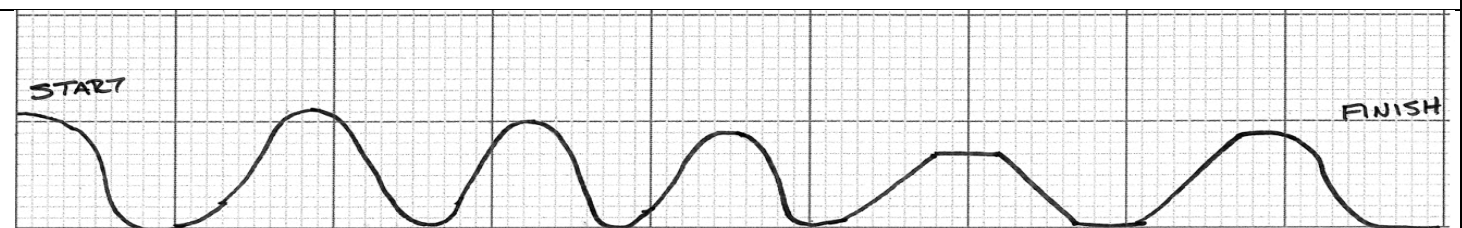
THE BIG KAHUNA



↓ (Max Kinetic Energy above) – (Max Absorption for this Helmet) = Injury Energy ↓

Max KE	17 J		15 J		10 J		13 J		15 J		11 J
Max Absorb	1.7		1.7		1.7		1.7		1.7		1.7
Injury Energy	15.3		13.3		8.3		11.3		13.3		9.3
Risk											

LAUNCHPAD



↓ (Max Kinetic Energy above) – (Max Absorption for this Helmet) = Injury Energy ↓

Max KE	11 J		11 J		10 J		9 J		7 J		9 J
Max Absorb	1.7		1.7		1.7		1.7		1.7		1.7
Injury Energy	9.3		9.3		8.3		7.3		5.3		7.3
Risk											

RISK GAUGE

0-3 Joules, Green

3.1-6.9 Joules, Yellow

7+ Joules, Red

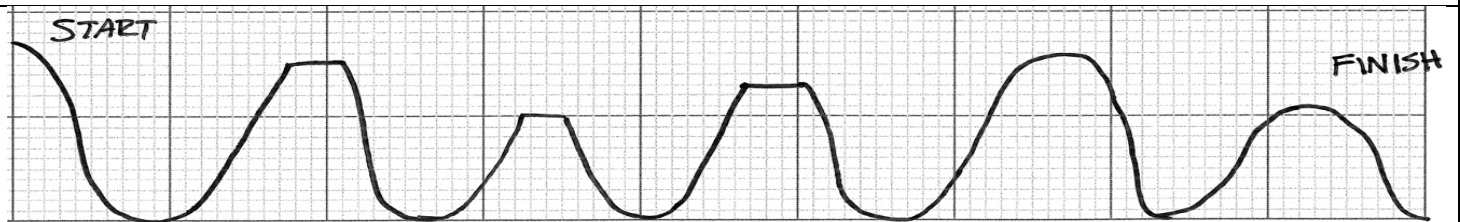
Skate Park Challenge - Skate Park Analysis – Section 3 8DMS

NAME: _____ DATE: _____

STUDENT #: _____ TEACHER: _____

HELMET TYPE: **BLUE**

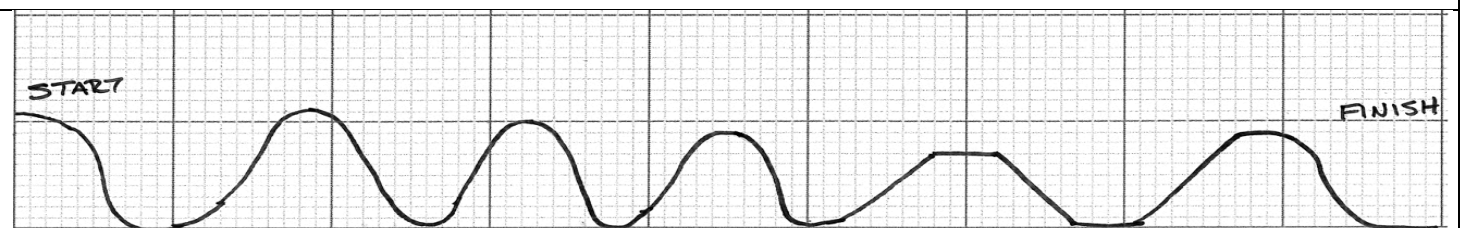
THE BIG KAHUNA



↓ (Max Kinetic Energy above) – (Max Absorption for this Helmet) = Injury Energy ↓

Max KE	17 J		15 J		10 J		13 J		15 J		11 J
Max Absorb	8.4		8.4		8.4		8.4		8.4		8.4
Injury Energy	8.6		6.6		1.6		4.6		6.6		2.6
Risk											

LAUNCHPAD



↓ (Max Kinetic Energy above) – (Max Absorption for this Helmet) = Injury Energy ↓

Max KE	11 J		11 J		10 J		9 J		7 J		9 J
Max Absorb	8.4		8.4		8.4		8.4		8.4		8.4
Injury Energy	2.6		2.6		1.6		0.6		0		0.6
Risk											

RISK GAUGE

0-3 Joules, Green

3.1-6.9 Joules, Yellow

7+ Joules, Red

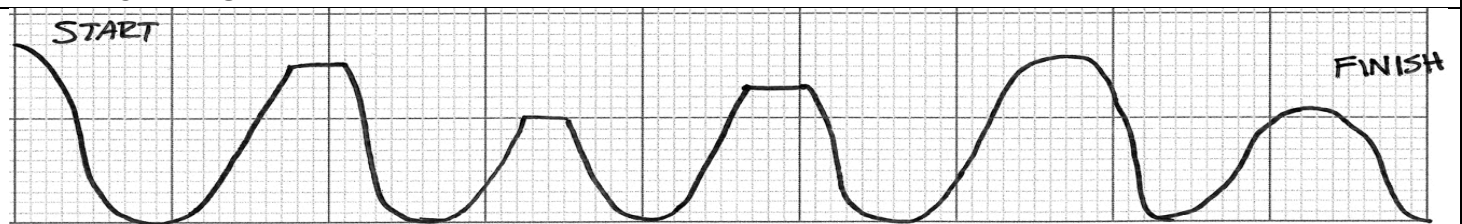
Skate Park Challenge - Skate Park Analysis – Section 3 8DMS

NAME: _____ DATE: _____

STUDENT #: _____ TEACHER: _____

HELMET TYPE: **Eagle**

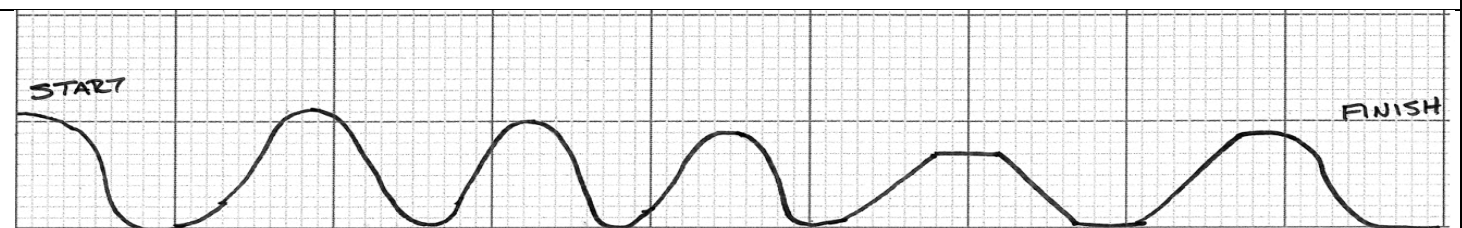
THE BIG KAHUNA



↓ (Max Kinetic Energy above) – (Max Absorption for this Helmet) = Injury Energy ↓

Max KE	17 J		15 J		10 J		13 J		15 J		11 J
Max Absorb	12		12		12		12		12		12
Injury Energy	5		3		0		1		3		0
Risk	Yellow		Green		Green		Green		Green		Green

LAUNCHPAD



↓ (Max Kinetic Energy above) – (Max Absorption for this Helmet) = Injury Energy ↓

Max KE	11 J		11 J		10 J		9 J		7 J		9 J
Max Absorb	11.7		11.7		11.7		11.7		11.7		11.7
Injury Energy	0		0		0		0		0		0
Risk	Green		Green		Green		Green		Green		Green

RISK GAUGE

0-3 Joules, Green

3.1-6.9 Joules, Yellow

7+ Joules, Red

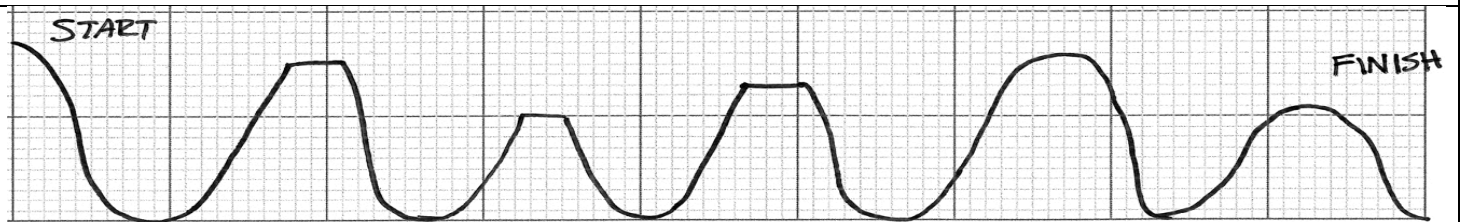
Skate Park Challenge - Skate Park Analysis – Section 3 8DMS

NAME: _____ DATE: _____

STUDENT #: _____ TEACHER: _____

HELMET TYPE: **GREEN**

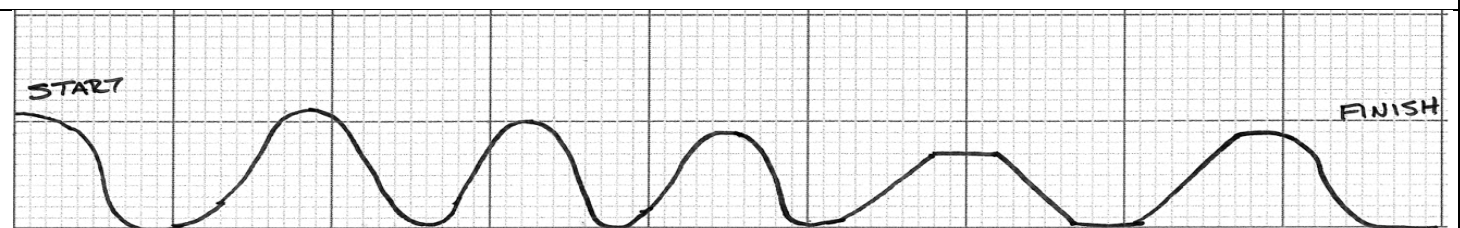
THE BIG KAHUNA



↓ (Max Kinetic Energy above) – (Max Absorption for this Helmet) = Injury Energy ↓

Max KE	17 J		15 J		10 J		13 J		15 J		11 J
Max Absorb	3.3		3.3		3.3		3.3		3.3		3.3
Injury Energy	13.7		11.7		6.7		9.7		11.7		7.7
Risk											

LAUNCHPAD



↓ (Max Kinetic Energy above) – (Max Absorption for this Helmet) = Injury Energy ↓

Max KE	11 J		11 J		10 J		9 J		7 J		9 J
Max Absorb	3.3		3.3		3.3		3.3		3.3		3.3
Injury Energy	7.7		7.7		6.7		5.7		3.7		6.7
Risk											

RISK GAUGE

0-3 Joules, Green

3.1-6.9 Joules, Yellow

7+ Joules, Red

Skate Park Challenge - Skate Park Analysis – Section 3 8DMS

NAME: _____ DATE: _____

STUDENT #: _____ TEACHER: _____

HELMET TYPE: PINK

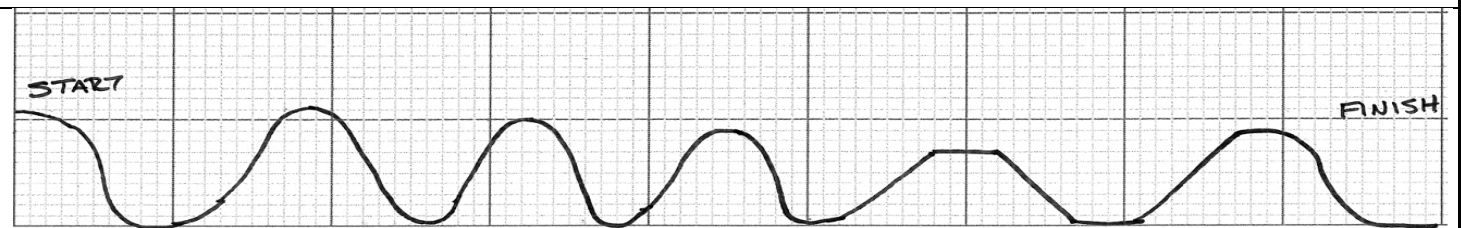
THE BIG KAHUNA



↓ (Max Kinetic Energy above) – (Max Absorption for this Helmet) = Injury Energy ↓

Max KE	17 J		15 J		10 J		13 J		15 J		11 J
Max Absorb	13.4		13.4		13.4		13.4		13.4		13.4
Injury Energy	3.6		1.6		0		0		1.6		0
Risk	Yellow		Green		Green		Green		Green		Green

LAUNCHPAD



↓ (Max Kinetic Energy above) – (Max Absorption for this Helmet) = Injury Energy ↓

Max KE	11 J		11 J		10 J		9 J		7 J		9 J
Max Absorb	13.4		13.4		13.4		13.4		13.4		13.4
Injury Energy	0		0		0		0		0		0
Risk	Green		Green		Green		Green		Green		Green

RISK GAUGE

0-3 Joules, Green

3.1-6.9 Joules, Yellow

7+ Joules, Red

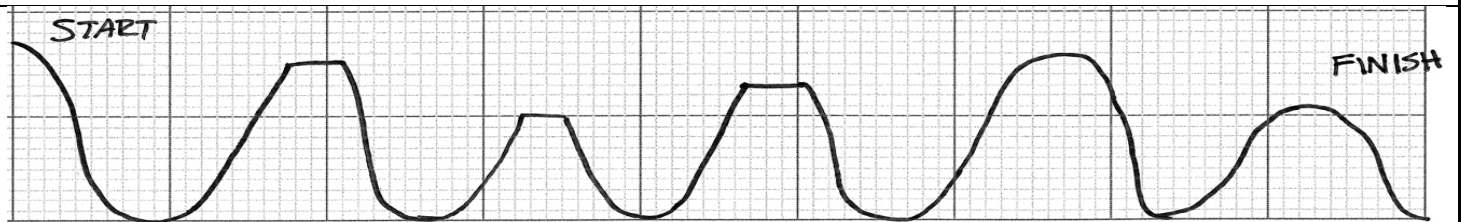
Skate Park Challenge - Skate Park Analysis – Section 3 8DMS

NAME: _____ DATE: _____

STUDENT #: _____ TEACHER: _____

HELMET TYPE: **RED**

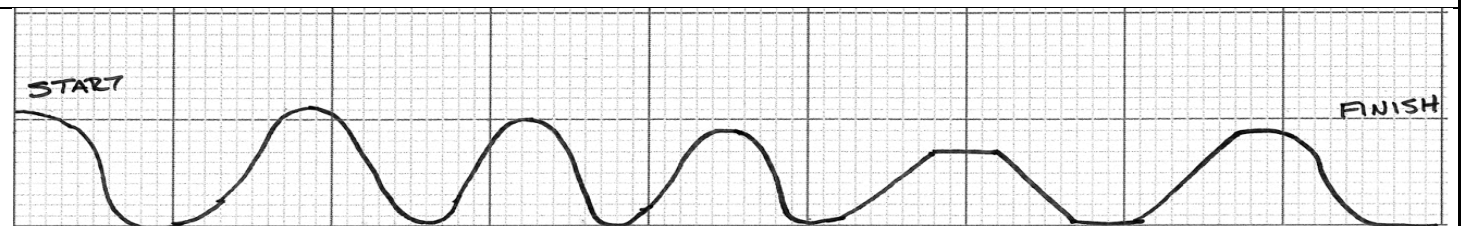
THE BIG KAHUNA



↓ (Max Kinetic Energy above) – (Max Absorption for this Helmet) = Injury Energy ↓

Max KE	17 J		15 J		10 J		13 J		15 J		11 J
Max Absorb	10 J		10 J		10 J		10 J		10 J		10 J
Injury Energy	7 J		5 J		0 J		3 J		5 J		1 J
Risk	7 J		5 J		0 J		3 J		5 J		1 J

LAUNCHPAD



↓ (Max Kinetic Energy above) – (Max Absorption for this Helmet) = Injury Energy ↓

Max KE	11 J		11 J		10 J		9 J		7 J		9 J
Max Absorb	10 J		10 J		10 J		10 J		10 J		10 J
Injury Energy	1 J		1 J		0 J		0 J		0 J		0 J
Risk	1 J		1 J		0 J		0 J		0 J		0 J

RISK GAUGE

0-3 Joules, Green

3.1-6.9 Joules, Yellow

7+ Joules, Red