Skate Park Challenge 8DMS

NAME:	DATE:				
STUDENT #:	TEACHER:				
	Heli	met Tests			
Helmet Tested:					
Part A		Part B			
Position	Pumpkin Energy (no helmet)	Position	Pumpkin Energy (with your helmet)		
. _	l l		I I		

	•	,
Α		
В		
С		
D		
F		

Position	Pumpkin Energy (with your helmet)
Α	
В	
С	
D	
E	

Part C

Determine the max amount of energy absorbed by your helmet type (use Position E). Record the energy absorbed by other groups during the class discussion of results.

Pumpkin, No Helmet – Pumpkin, with Helmet = <u>Energy Absorbed by Helmet</u>

Max Energy Absorbed (Joules) by Each Helmet Type					
	Red			Pink	
	Black		0	Eagle	
	Blue			Green	

4-6 Joules, Yellow

7+ Joules, Red

0-3 Joules, Green

Risk

4-6 Joules, Yellow

7+ Joules, Red

0-3 Joules, Green

Risk

4-6 Joules, Yellow

7+ Joules, Red

0-3 Joules, Green

Risk

4-6 Joules, Yellow

7+ Joules, Red

0-3 Joules, Green

Risk

4-6 Joules, Yellow

7+ Joules, Red

0-3 Joules, Green

Risk

4-6 Joules, Yellow

7+ Joules, Red

0-3 Joules, Green

Risk

Skate Park Challenge 8DMS

NAME:	DATE:
STUDENT #:	TEACHER:

Skate Park Decision Matrix



Grant, 13

Experience Skating: Less than a year

Current Savings: \$200

Notes: Grant really likes skateboarding. He is definitely a beginner, and he has had his share of falls. He realizes his limits. So, he thinks carefully about where he should skate and what challenges he should take on. He hopes that by age 17 he is taking on big air ramps and parks. Grant mows lawns for neighbors, and he is a big saver.

Hel	lmet Type	Injury Risk Big Kahuna	Injury Risk Launchpad	Skill Fits Risk	Effect on Savings & Income	Finalist for Skater?
	Red \$60					
	Black \$15					
* Q-	Blue \$45					
	Pink \$100					
	Eagle \$70					
· Arr	Green \$25					

Skate Park Challenge 8DMS

NAME:	DATE:
STUDENT #:	TEACHER:

Skate Park Decision Matrix



Kaylee, 15

Experience Skating: 8 years

Current Savings: \$70

Notes: She skates all the time and likes to skate tough challenging bowls, parks, and half pipes, but she will skate anything. She rarely falls, but she knows her limits and tries not to test them too much. She makes most of her money working in her parent's restaurant. It is a steady source of money, though it doesn't always pay a lot.

He	lmet Type	Injury Risk Big Kahuna	Injury Risk Launchpad	Skill Fits Risk	Effect on Savings & Income	Finalist for Skater?
	Red \$60					
	Black \$15					
eg.	Blue \$45					
	Pink \$100					
	Eagle \$70					
	Green \$25					

Skate Park Challenge

8DMS)
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NAME:	DATE:
STUDENT #:	TEACHER:

Skate Park Decision Matrix



Selena, 14

Experience Skating: 4 years

Current Savings: \$55

Notes: She prefers long, continuous runs. She doesn't really want big air. She is very laid back. She focuses on smooth technique, clean tricks, and flow through the run. Selena is very active in after school sports, so she does not have time for a steady job. She has saved her money from birthday presents. She would like to keep as much of it as possible.

He	met Type	Injury Risk Big Kahuna	Injury Risk Launchpad	Skill Fits Risk	Effect on Savings & Income	Finalist for Skater?
	Red \$60					
	Black \$15					
eg.	Blue \$45					
	Pink \$100					
	Eagle \$70					
· R	Green \$25					

Skate Park Challenge 8DMS NAME: DATE: STUDENT #: TEACHER: **Helmet Recommendations** As a Product Reviewer for SkateTech, select a helmet for each skater. Write a recommendation based on the data you have collected. Your recommendation will appear on Skate Tech's website, and thousands of readers will view it. Your recommendation should address: The Safety Need of the Skater The Skills of the Skater The Savings and Income of the Skater Your recommendation should use evidence that you have collected during this module. Use the Skate Park Analysis student sheets and the Skate Park Decision Grid student sheet to help you make a choice. You should include those pieces of evidence to support your decision in this written recommendation. You may find that your recommendation only will work for one of the tracks, which might be all right for an individual skater. You may find that it is not always clear-cut which choice you should make for an individual skater. In that case you should write about aspects of the helmet or skater that might suggest another decision. In the end, however, tell us why you made the decision you did.

8DMS	Skate Park Challenge