

Nutrition in competitive sports

A pilot project at the Brillat Savarin School for pupils of the State Ballet School Berlin

Headmaster: Jürgen Dietrich

Head of department: Dr. Andrea Stegmann

Head of nutritional science: Claudius Schäfer

State Ballet School Berlin

OS GASTGEWERBE
BRILLAT-SAVARIN-SCHULE

- a pilot project

10th grade
Practical
kitchen
exercises

11th grade Introductory Phase 12th grade Q 1

12th grade Q 2

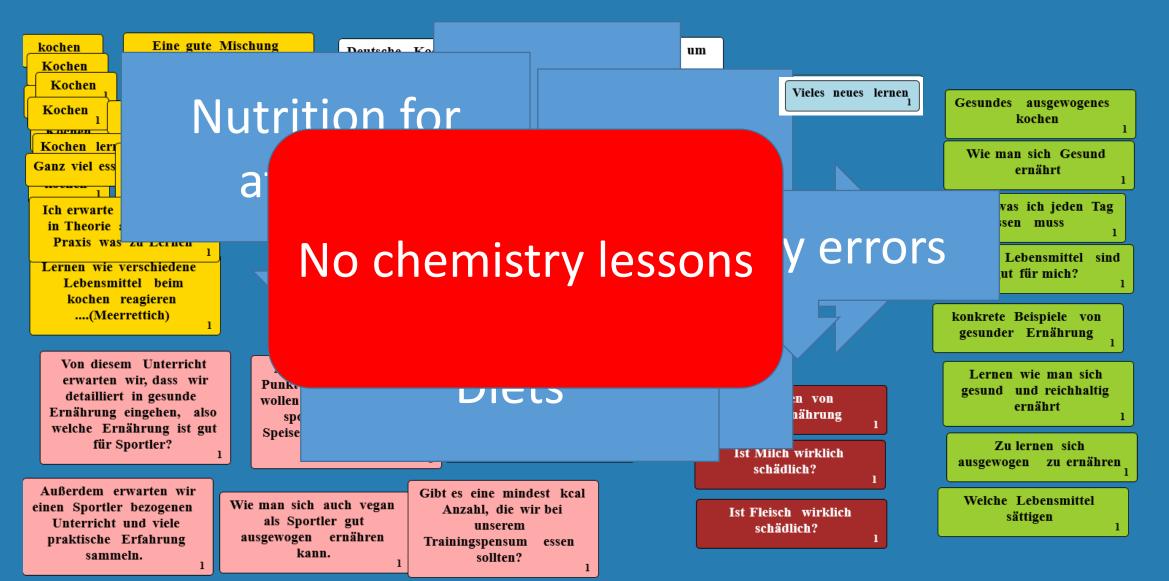
•••

11th grade Introductory Phase 12th grade Q 1 12th grade Q 2 13th grade Q 3

13th grade Q 4



Wishes of the students ...





KH-AUFNAHME SCHNELI

Practical kitchen exercises (10th grade)

Müslimuffins

2 Eier

125 g Apfelmus (ohne Zucker)

49/50

70 g fettarmer Joghurt

100 ml fettarme Milch

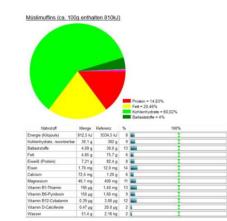
300 g Müsli

4 EL Agavendicksaft

Vanillearoma

1 Pck. Backpulver

Salz



Eier verquirlen. Apfelmus, Joghurt und Milch hinzugeben und alles miteinander vermengen. Eine kleine Menge des Müslis als Topping für später beiseitestellen. Restliches Müsli zu der Eimasse hinzugeben und zu einer Art "Teig" verrühren. Agavendicksaft, Backpulver, Vanillearoma und eine Prise Salz unterheben. "Teig" in Muffinförmchen abfüllen. Das aufbewahrte Müsli über die Muffins streuen. Im vorgeheizten Backofen bei 180° C für 35 Minuten backen.



MALTOSE

MALZZUCKER

(ZWEIFACHZUCKER) GESCHMACK SÜSS

LACTOSE **MILCHZUCKER**

GALACTOSE

SCHLEIM-

ZUCKER

OLYGOSACCHARIDE (MEHRFACHZUCKER)

GESCHMACK SÜSS

POLYSACCHARIDE (VIELFACHZUCKER)

GESCHMACK NEUTRAL



http://blog.swarmprotein.com/kohlenhydrate-grundlagenhusam treibstoff-des-trainings/

47/48	Energie für Zwischendurch
	(gesunde Snacks selbstmachen →
	Müsliriegel, Müslimuffins,
	Chiapudding, Dattelbällchen oder
	andere Power Balls)

Unterscheidung der Zuckerarten

winterzeit ist Suppenzeit (Kürbiscremesuppe, klare

Nanrstottveriuste in der Livi-Zubereitung Schnittarten für Gemüse



Selection of skills taught during the Practical Kitten Exercises

- Applying DG
 Mmendations
- Evaluating
- Applying nuti
- Evaluating charts
- Selecting food and be suitability for training and

to their n phases



Introductory Phase

01.10.2019	Analyse des Tageskostplans in Bezug auf die Empfehlungen, Kalorimetrie, BMI,
	Verteilung der Energie auf die energieliefernden Nährstoffe und Mahlzeiten
08.10.2019	Herbstferien (Ballettschule)
15.10.2019	Herbstferien (Keine Herbstferien in der Ballettschule)
00.40.0040 4.1/1	
29.10.2019	Benennung von Monosacchariden; Chemischer Aufbau von Glukose und Fruktose
05.11.2019	Schüler erstellen Explainity zu Disacchariden (Unterricht mit dem Fachseminar)
	Benennung von Di- und Polysacchariden





Selection of skills taught during the Introductory Phase

- Explaining the interp en nutrition and health
- Creating and analy nces
- Applying science
 State of the science
- Applying food c.
- Reflecting one's own
- Learning the responsible
- Working with technical texts



Qualification Phase

Task-based learning:

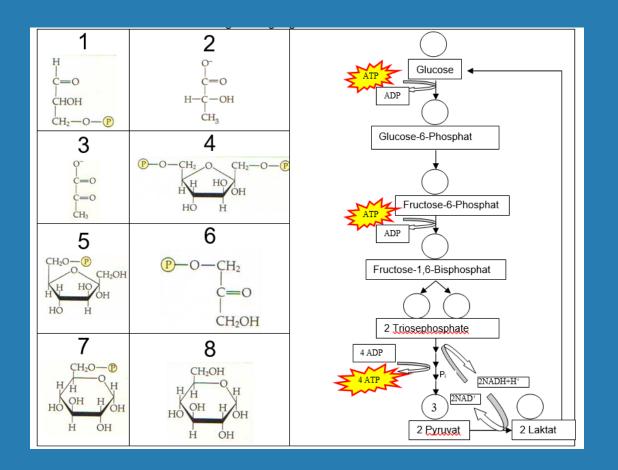
Dear students of the nutrition class AB7gT1,

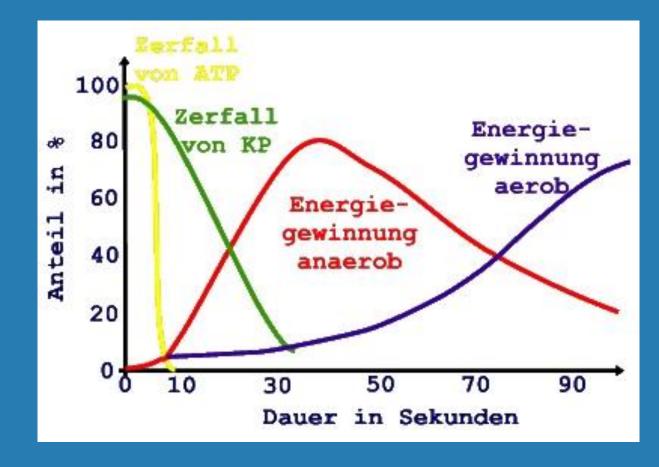
My name is Emilia, I am 16 years old and I train three times a week in the ballet school in our neighbourhood. The first 45 minutes always go very well, then we take a short break and in the second half I usually tend to lose my strength a bit.

My mother says I should refrain from eating carbohydrates. I would appreciate you giving me some arguments to inform her on what is good for me. She puts a lot of pressure on me and some valid arguments would really be helpful. I am counting on you!



Q 1- Q 2





Selection of skills taught during the Qualification Phase

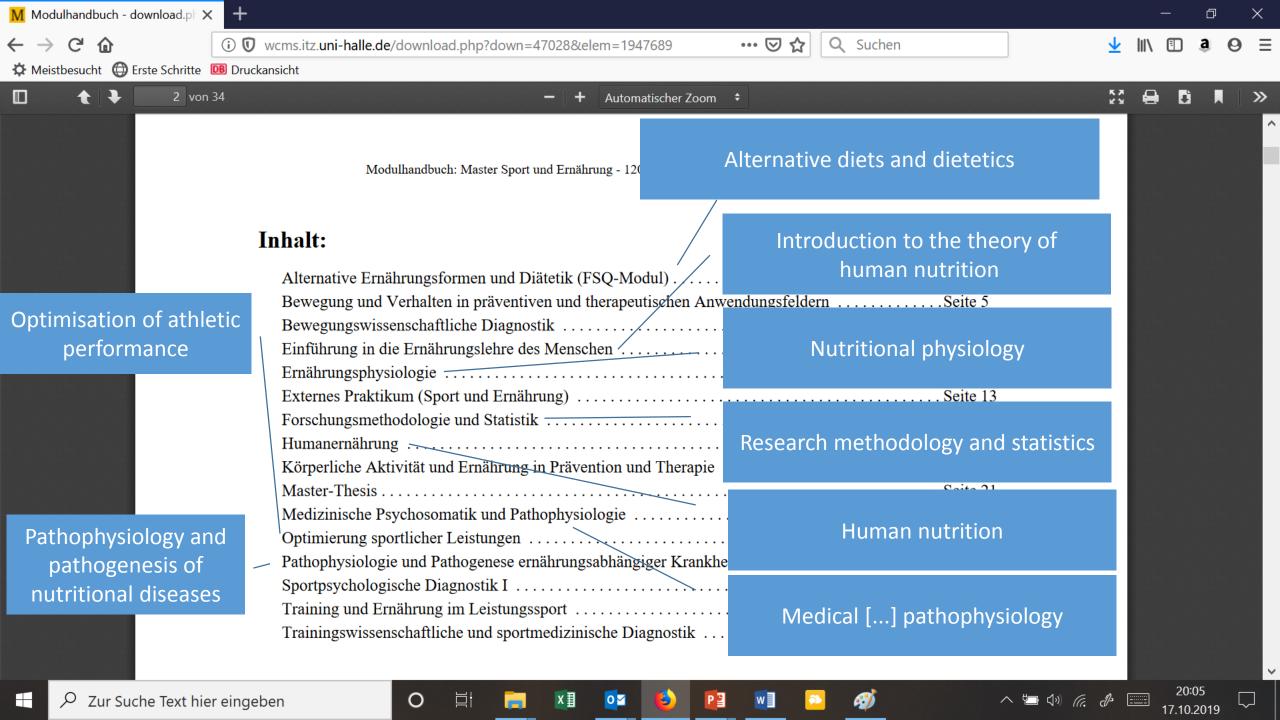


- Criteria-based description metabolic pathways in
- Analysis, evaluation population groups
- Assessment of selection competition phase, sup-
- Metabolic changes due to n HLP)
- Creation of a product for nutrition articles, role play, flyer etc.)
- Assessment of reduction diets (Bulimia ner

yecific diet plans for selected

plex biochemical and physiological

- hletes, adolescents)
 - pre-competition phase,
 - out, celiac disease,
 - newspaper
 - nervosa)





Thank you very much for your attention!