## **CELL BIOLOGY CE**

## OVERVIEW OF OUR CURRICULUM-COMPLIANT EXPERIMENTS

	LB4.0	INTRODUCTION TO METHODS
	LB4.0.0	Microscopy
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	LB4.1	STRUCTURE OF THE CELL
	LB4.1.1	Single-cell organisms
	LB4.1.1.1 LB4.1.1.2 LB4.1.1.3	Microscopy of yeast cells Microscopy of mould Live/dead staining of yeast cells
	LB4.1.2	Multi-cell organisms
	LB4.1.2.1 LB4.1.2.2 LB4.1.2.3 LB4.1.2.4	Plant cell: Structure of an onion cell Animal cell: Cells of the oral mucosa, uncoloured Comparison between an animal and a plant cell Colouration of an onion skin
	LB4 <b>.</b> 2	PROCESSES IN THE CELL
	LB4.2.1	The cell membrane
	LB4.2.1.1 LB4.2.1.2	Plasmolysis and deplasmolysis Diffusion and osmosis
	LB4.2.2	Cell cycle
	LB4.2.2.1	Prepare mitosis stages of an onion root
	LB4.2.3	Enzymes
	LB4.2.3.1 LB4.2.3.2C LB4.2.3.3 LB4.2.3.3C LB4.2.3.4C LB4.2.3.5	Effect of the enzyme catalase on yeast Urea splitting by urease and inhibition (with Mobile-CASSY 2 WiFi) Temperature-dependent enzyme effect using the example of catalase Enzyme effect and temperature using the example of catalase (with Mobile-CASSY 2 WiFi) Temperature-dependent urea splitting by urease (with Mobile-CASSY 2 WiFi) Enzyme activity dependent on pH value
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	LB4.2.4	Transport processes