

401 кабинет математики

$V = abc$
 $S = 2ab + 2ac + 2bc$
 $S = 2(a^2 + b^2 + c^2)$



$L = ab + bc + ca$
 $L = 3(a^2 + b^2 + c^2)$

Формулы сокращенного умножения

$(a+b)^2 = a^2 + 2ab + b^2$	$(a-b)^2 = a^2 - 2ab + b^2$
$(a+b)(a-b) = a^2 - b^2$	$(a+b)^3 = a^3 + 3a^2b + 3ab^2 + b^3$
$(a-b)^3 = a^3 - 3a^2b + 3ab^2 - b^3$	$(a+b)(a^2 - ab + b^2) = a^3 + b^3$
$(a-b)(a^2 + ab + b^2) = a^3 - b^3$	

Прогрессии

Арифметическая прогрессия

$a_n = a_1 + (n-1)d$	$S_n = \frac{n}{2}(2a_1 + (n-1)d)$
$d = a_2 - a_1$	$S_n = \frac{n}{2}(a_1 + a_n)$
$a_1 = a_n - (n-1)d$	
$n = \frac{a_n - a_1}{d} + 1$	

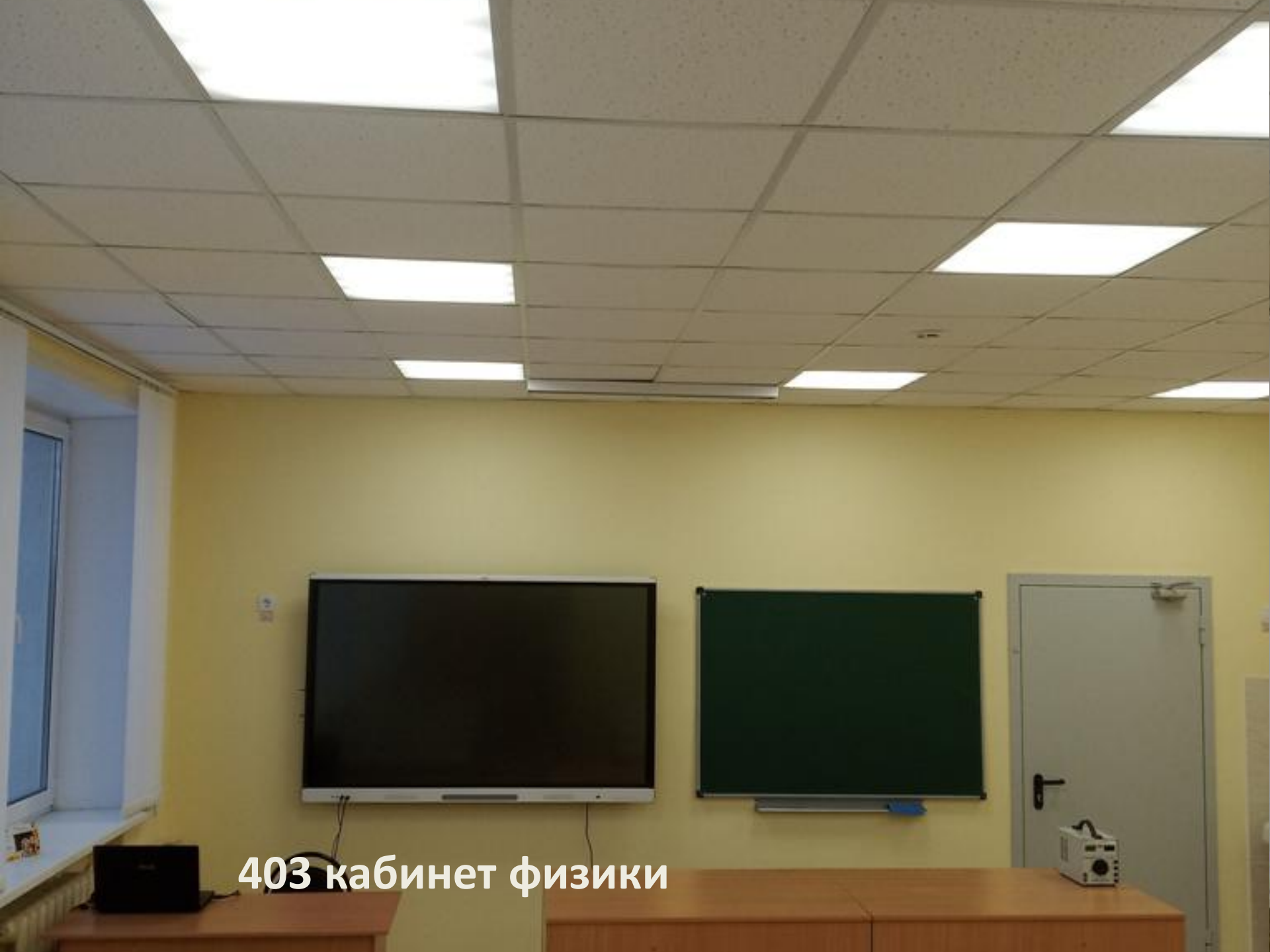
Геометрическая прогрессия

$a_n = a_1 \cdot q^{n-1}$	$S_n = \frac{a_1(1 - q^n)}{1 - q}$
$q = \frac{a_2}{a_1}$	$S_n = \frac{a_1(q^n - 1)}{q - 1}$
$a_1 = \frac{a_n}{q^{n-1}}$	
$n = \frac{\log a_n - \log a_1}{\log q} + 1$	

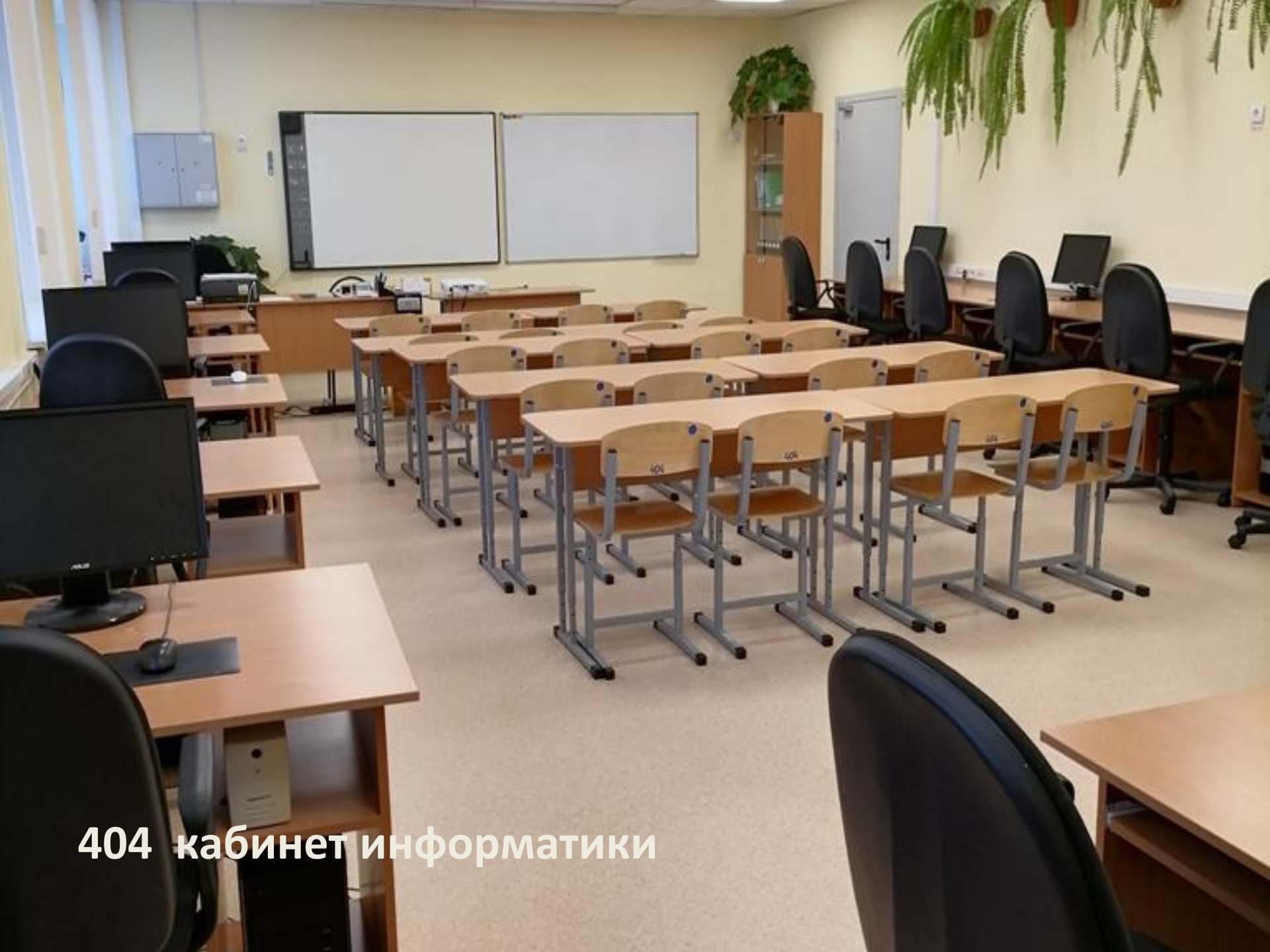




402 кабинет истории



403 кабинет физики



404 кабинет информатики

A photograph of a classroom. The room features rows of light-colored wooden desks and chairs. At the front of the room, there is a whiteboard and a green chalkboard. A round clock is mounted on the wall above the boards. To the left, there is a window with light-colored curtains. A small potted plant sits on a desk near the window. A wooden door is visible on the right wall. The ceiling is a standard grid-style drop ceiling.

405 кабинет английского языка

409 кабинет немецкого языка

