

VINHO



À medida que o vinho tinto envelhece, a sua cor torna-se mais pálida e translúcida.



As pessoas que têm medo do vinho sofrem de "enofobia"!



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AZEITE



As oliveiras não perdem folhas no inverno e produzem azeitonas durante o ano inteiro. São também tolerantes à seca.



As oliveiras conseguem sobreviver durante milhares de anos. Em redor do mar Mediterrâneo, existem oliveiras de 2000 anos com colheitas comestíveis.



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CERVEJA



A receita de cerveja consiste em 4 ingredientes principais: água, grãos de malte (normalmente cevada), lúpulo e fermento.



No calão de cerveja, um entusiasta da bebida é chamado "cerevisófilo" (cerevisaphile) - derivado de Ceres, o nome da deusa romana da agricultura. "Vis" significa "força".



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SUMO



O sumo fresco contém as vitaminas e minerais da fruta com que é feito, mas carece de fibra saudável.



Existem muitos nutrientes nas cascas de fruta. Usem-nas para fazer sumo de frutos e vegetais.



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MEL



O mel consiste em 80% de açúcar e 20% de água.



As abelhas precisam de visitar cerca de 2 milhões de flores para fazerem 450g de mel.



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NATA



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A nata é o componente mais gordo do leite não pasteurizado, por isso acumula-se na superfície do leite.



A nata batida é incluída em receitas desde o século 16!



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SOPA

Qualquer
vegetal



Tradicionalmente, as sopas dividem-se em dois grupos – transparentes ou grossas.



Na Polónia, é servida uma sopa de morango com massa, tanto quente como fria!



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LEITE



Uma vaca produz cerca de 20 litros de leite por dia, quantia que pode aumentar até aos 40 depois de dar à luz.



Um copo de (2.4 decilitros) de leite tem tanto cálcio como uma chávena de brócolo, sete laranjas ou seis fatias de pão de trigo.



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MANTEIGA



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A manteiga é criada a partir da separação de gorduras durante a batedura das natas.



São necessários cerca de 10,4 quilogramas de leite para fazer 500 gramas de manteiga.



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QUEIJO



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Existem no mundo cerca de 2000 variedades de queijo produzidas por vacas, búfalos, ovelhas, cabras, cavalos e leite de camelo.



O queijo ajuda a proteger o esmalte dentário e tem um efeito de antibacteriano. Para além disso, é também uma boa fonte de cálcio, proteína e fósforo.



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CARNE



Em 1961, o consumo médio de carne por pessoa no mundo era de 23 kg. Em 2014, esse valor ascendeu até aos 43 kg por pessoa.



Para produzir um quilograma de carne de vaca, são necessários 25 quilogramas de alimento para animais.



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FARINHA

Qualquer
cereal de
grão



São obtidas até 20000 partículas de farinha a partir de um grão inteiro de trigo.



O consumo de farinha de trigo integral reduz o risco de desenvolvimento de diabetes tipo II.



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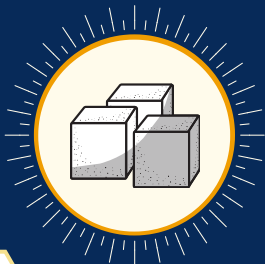
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AÇÚCAR



Uma colher de chá de açúcar pode conter apenas 15 calorias, mas uma colher de sopa do mesmo contém o triplo: 45 calorias!



Na medicina, aproveita-se a capacidade do açúcar em absorver líquidos. Uma camada de açúcar consegue absorver a humidade, o que evita o crescimento de bactérias e promove a cura de feridas!



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PASTA DE TOMATE



A pasta de tomate é um concentrado de tomates espesso que tem um sabor muito rico.



Uma receita siciliana tradicional de pasta de tomate consiste em cortar os tomates ao meio, cozinhá-los com tempero, escoar, processar através de um moinho para alimentos (duas vezes), espalhar sobre uma mesa e secar a pasta ao sol. Pode levar até 3 dias!



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COMPOTA

Qualquer
fruto



O que faz a compota ficar espessa é a pectina natural existente na fruta. Antigamente, fazia-se a compota somente com frutas e açúcar e cozinhava-se até que ficasse espessa.



Os marinheiros costumavam abastecer os seus navios com compota para prevenirem a escassez de vitamina C, algo que originava o escorbuto (hemorragia das gengivas).



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GELADO



A primeira receita de gelado escrita é de 1665.

O sabor a baunilha é o mais popular.



São precisas aproximadamente 50 lambidelas para acabar uma bola de gelado!



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BOLACHAS



A tradição de fazer bolachas de Natal começou na Idade Média.



A palavra "cookie" ("bolacha", em inglês) tem origem na palavra holandesa "koekje", que significa "bolo pequeno"!



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MÁQUINA DE GARRAFAS



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MÁQUINA DE PROCESSAMENTO



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MÁQUINA DE MOAGEM[©]



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MÁQUINA DE FRASCOS[©]



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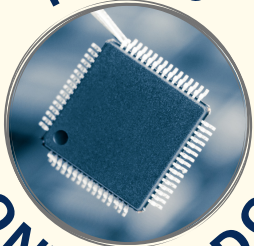
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MICRO CONTROLADOR

A blue square microcontroller chip with numerous pins, centered within a circular frame. The text 'MICRO' is arched above the circle and 'CONTROLADOR' is arched below it.

Um microcontrolador é um computador em miniatura que contém um único circuito integrado com um núcleo processador, memória e periféricos de entrada e saída programáveis.

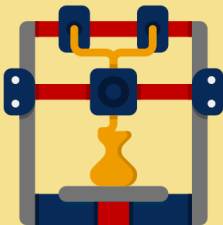


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MODELAÇÃO E IMPRESSÃO 3D

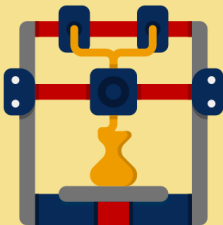


Na agricultura, a modelação tridimensional é usada para reconstruir plantas em 3D, permitindo-nos entender as características das plantas, detetar doenças, avaliar a qualidade da colheita e distinguir entre ervas daninhas e plantas.

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MONITOR



DO SOLO



Ajuda a identificar as necessidades nutricionais das plantas. O solo nem sempre consegue fornecer todos os nutrientes necessários, o que leva a uma descida na produtividade e na qualidade, e expõe as plantas a um maior risco de doenças e pragas.

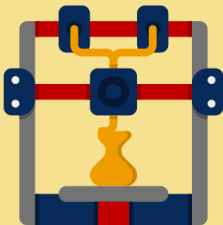


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COLETOR DE CHUVA



A tecnologia tem um papel importante na diminuição da poluição e do desperdício dos recursos naturais que provêm da agricultura. Portanto, é essencial desenvolver e utilizar sistemas que permitam a captura e a geração de água.

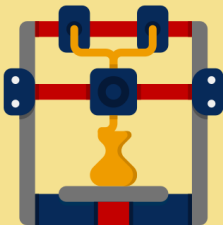


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ESTAÇÃO METEOROLÓGICA[©]

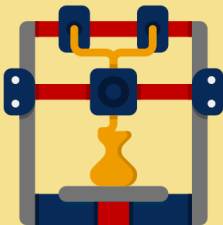


É um equipamento que monitoriza as condições climáticas, fornecendo os valores da medição das características do meio envolvente, nomeadamente, a medição da velocidade e da direção do vento, através de um anemómetro em conjunto com um microcontrolador.

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