

KIT MAKER ARDUINO

INICIANTE



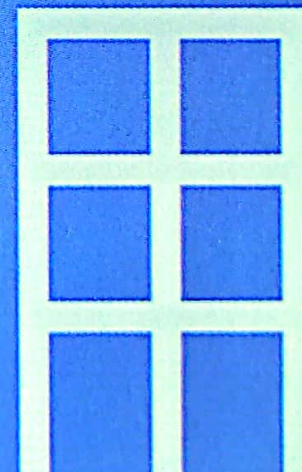
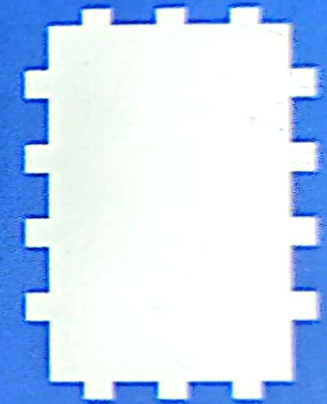
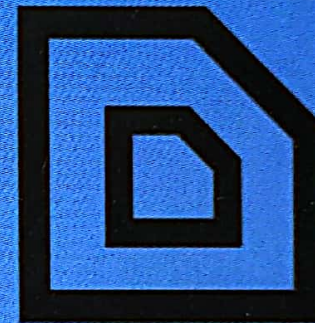
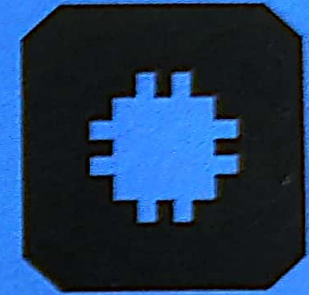
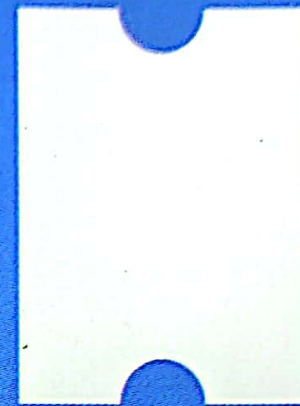
26 PROJETOS E EXERCÍCIOS



50 AULAS TEÓRICAS



+ DE 55 COMPONENTES



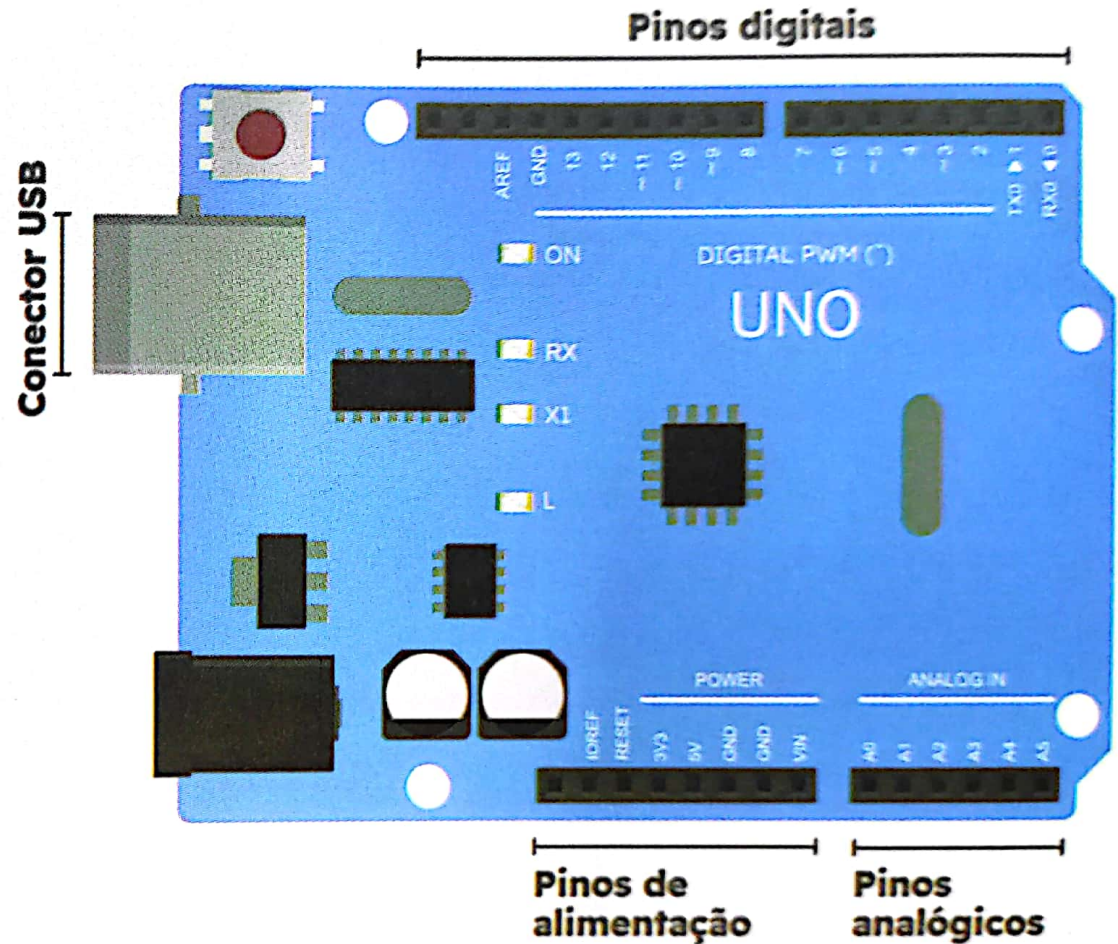
MAKER
HERO

A PLACA

A Uno R3 SMD é uma placa conhecida por sua versatilidade e facilidade de uso em projetos eletrônicos.

A placa mantém todas as funcionalidades da tradicional, incluindo o processador ATmega328P, entradas e saídas digitais e analógicas, além de interfaces com USB e conexões para sensores e módulos.

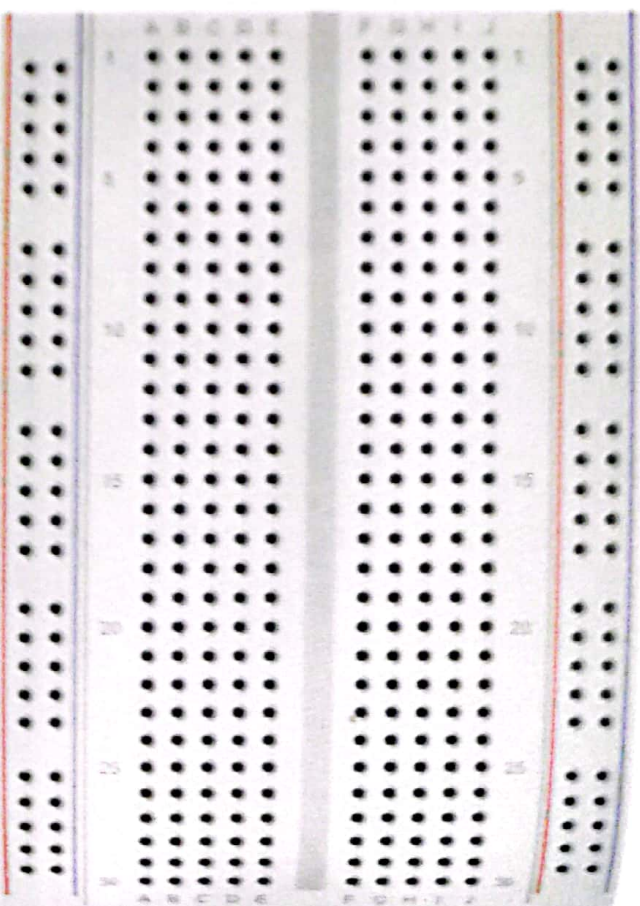
A tecnologia SMD (Surface Mount Device) permite uma montagem mais compacta e eficiente dos componentes na placa.



A PROTOBOARD

A Protoboard é uma placa utilizada em eletrônica para criar protótipos de circuitos sem soldagem. Com pontos de conexão organizados em linhas e colunas, ela permite a inserção e conexão temporária de componentes eletrônicos, como resistores, jumpers e LEDs, facilitando a prototipagem e teste de circuitos.

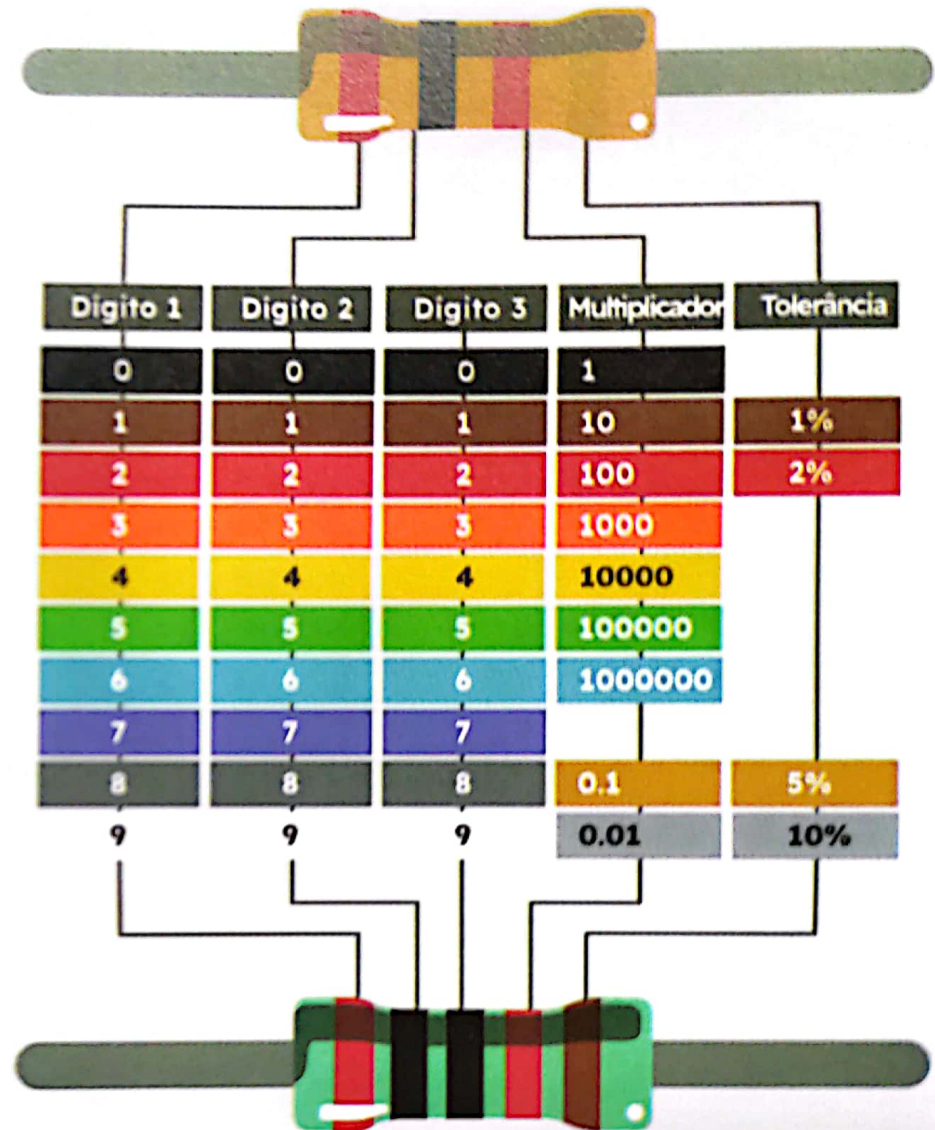
A placa oferece uma maneira conveniente e flexível para estudantes, hobistas e engenheiros experimentarem e testarem ideias antes de criar circuitos definitivos.



OS RESISTORES

Um resistor é um componente elétrico fundamental utilizado em circuitos eletrônicos para controlar o fluxo de corrente elétrica.

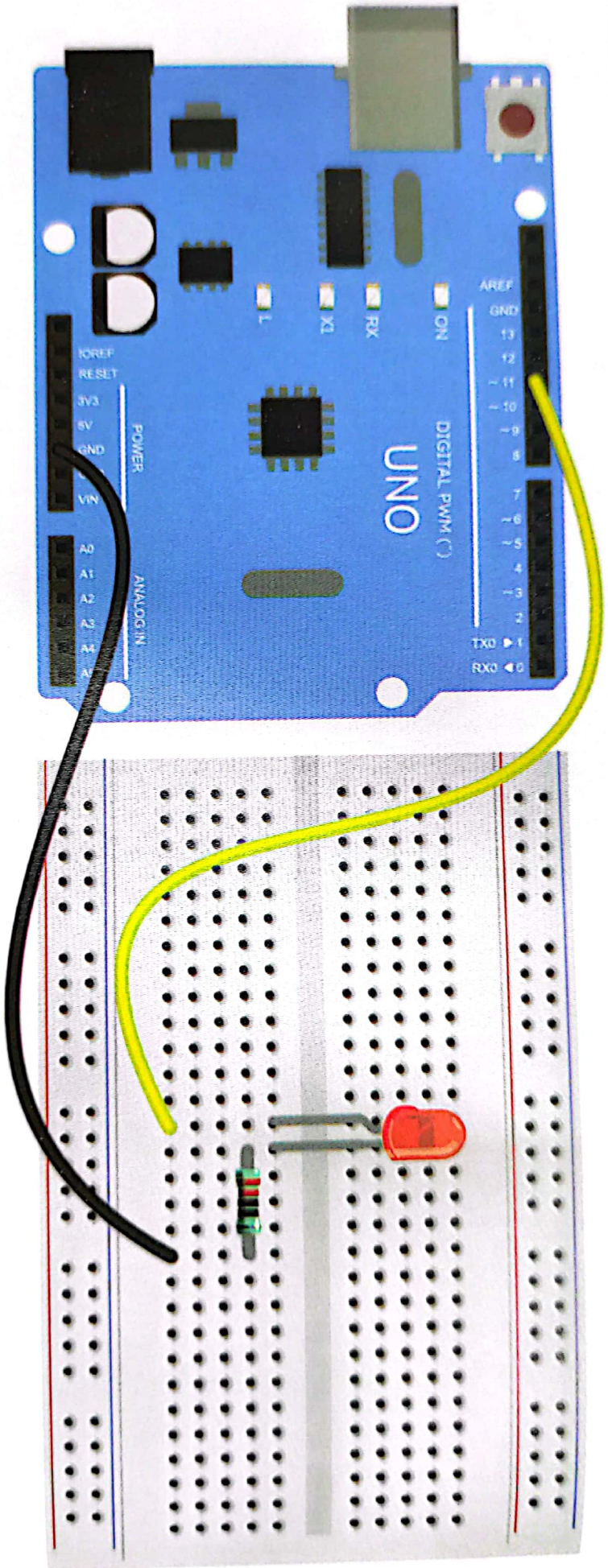
Os resistores são fabricados em diferentes valores de resistência, medidos em ohms (Ω), e são amplamente empregados para regular a corrente, reduzir a tensão, dividir a tensão, proteger dispositivos sensíveis e realizar várias outras funções em circuitos eletrônicos.



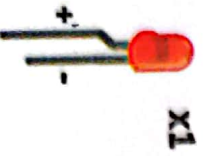
1

PISCA-PISCA

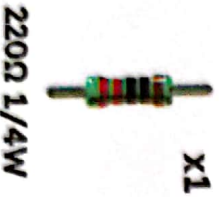
Referente à aula 4.3 no Learndash.



Componentes:



x1



x1

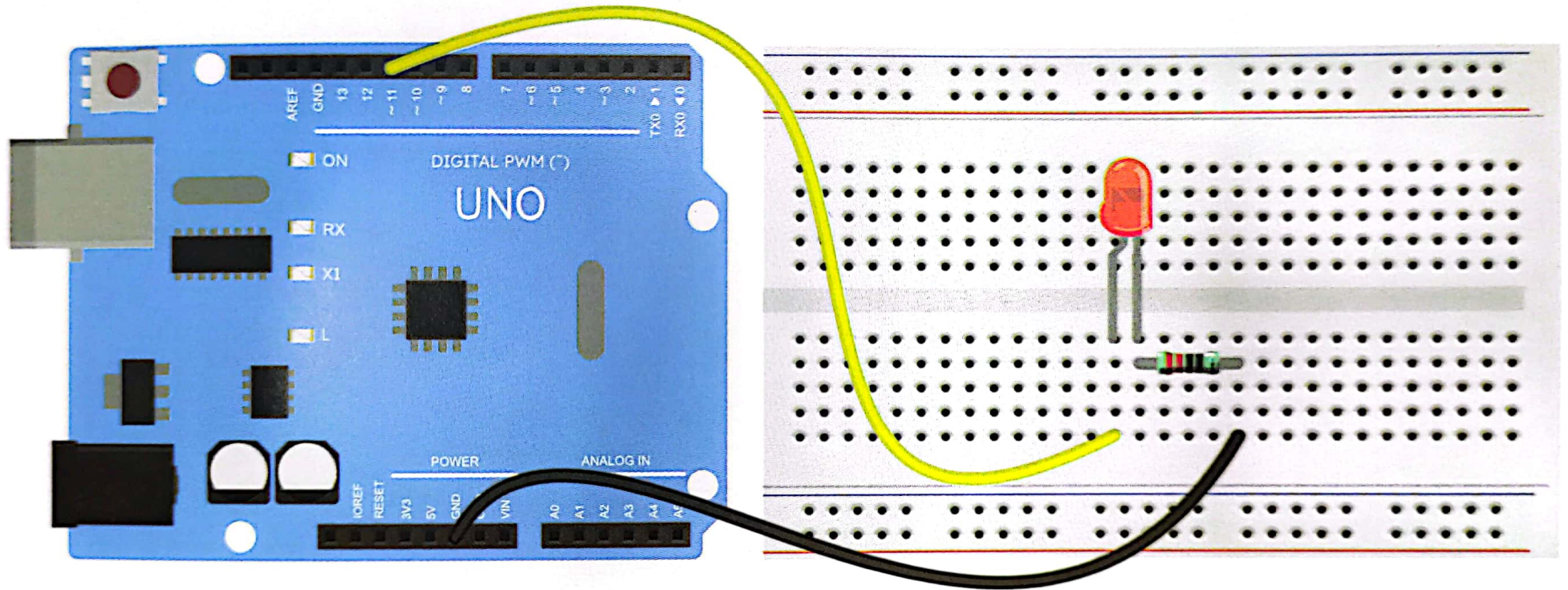


x2

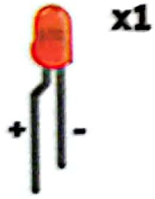
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SOS LUMINOSO

Referente à aula 4.4 no Learndash.



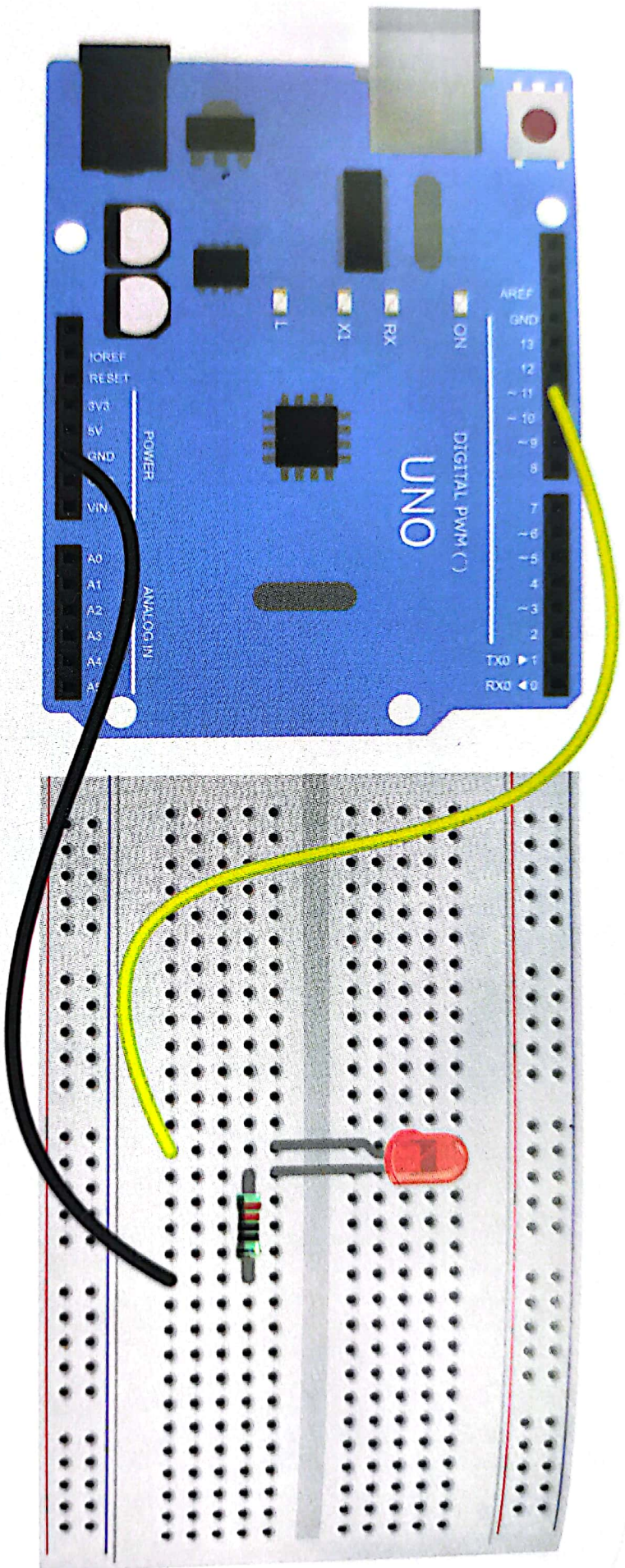
Componentes:



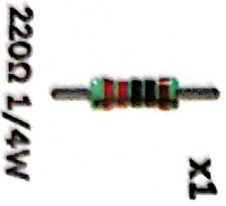
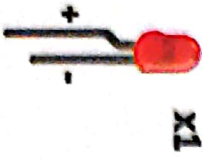
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BRILHO OSCILANTE

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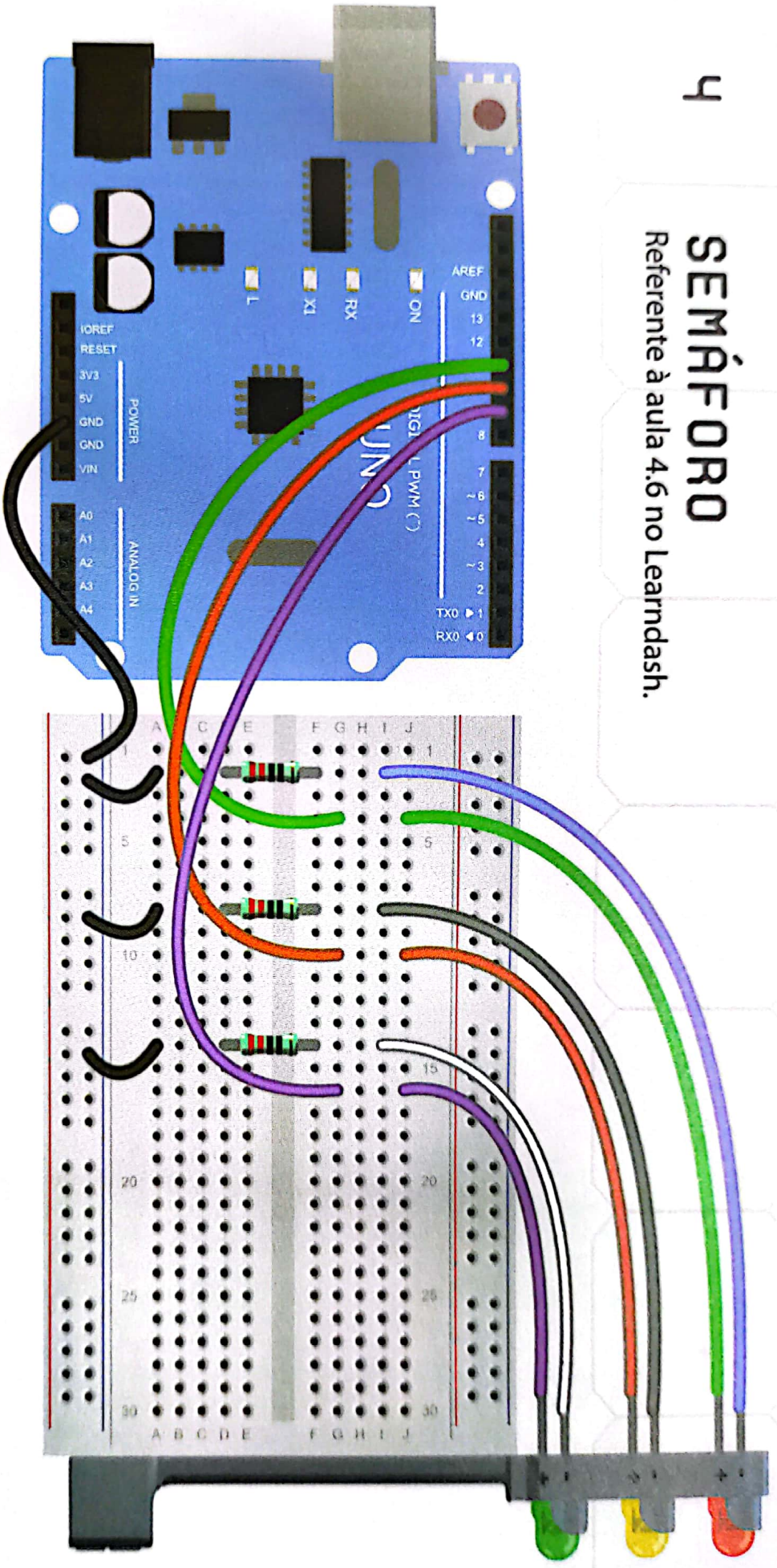
Componentes:



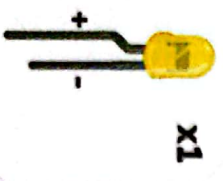
4

SEMÁFORO

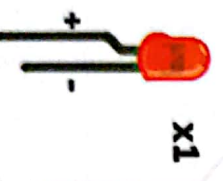
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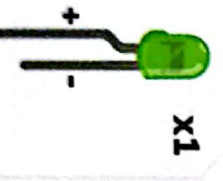
Componentes:



x1



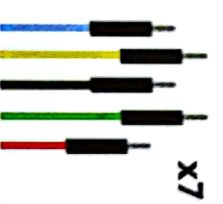
x1



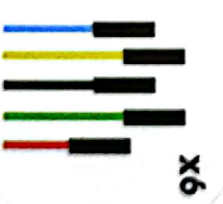
x1



x3



x7



x6

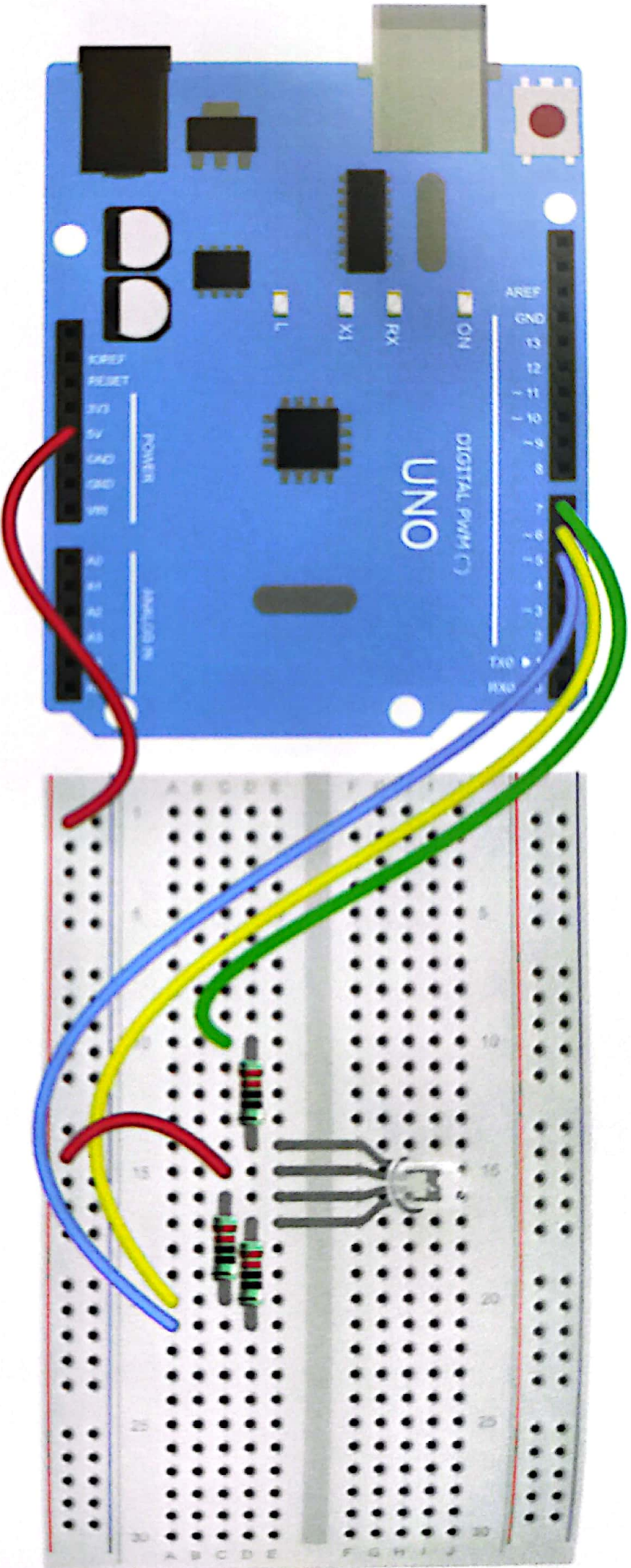


x1

5

LUZES COLORIDAS

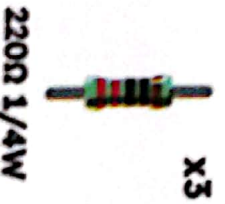
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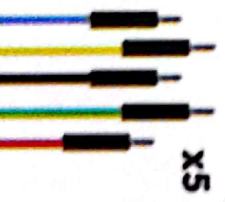
Componentes:



x1



x3

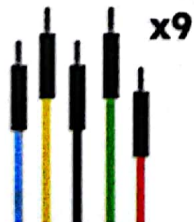
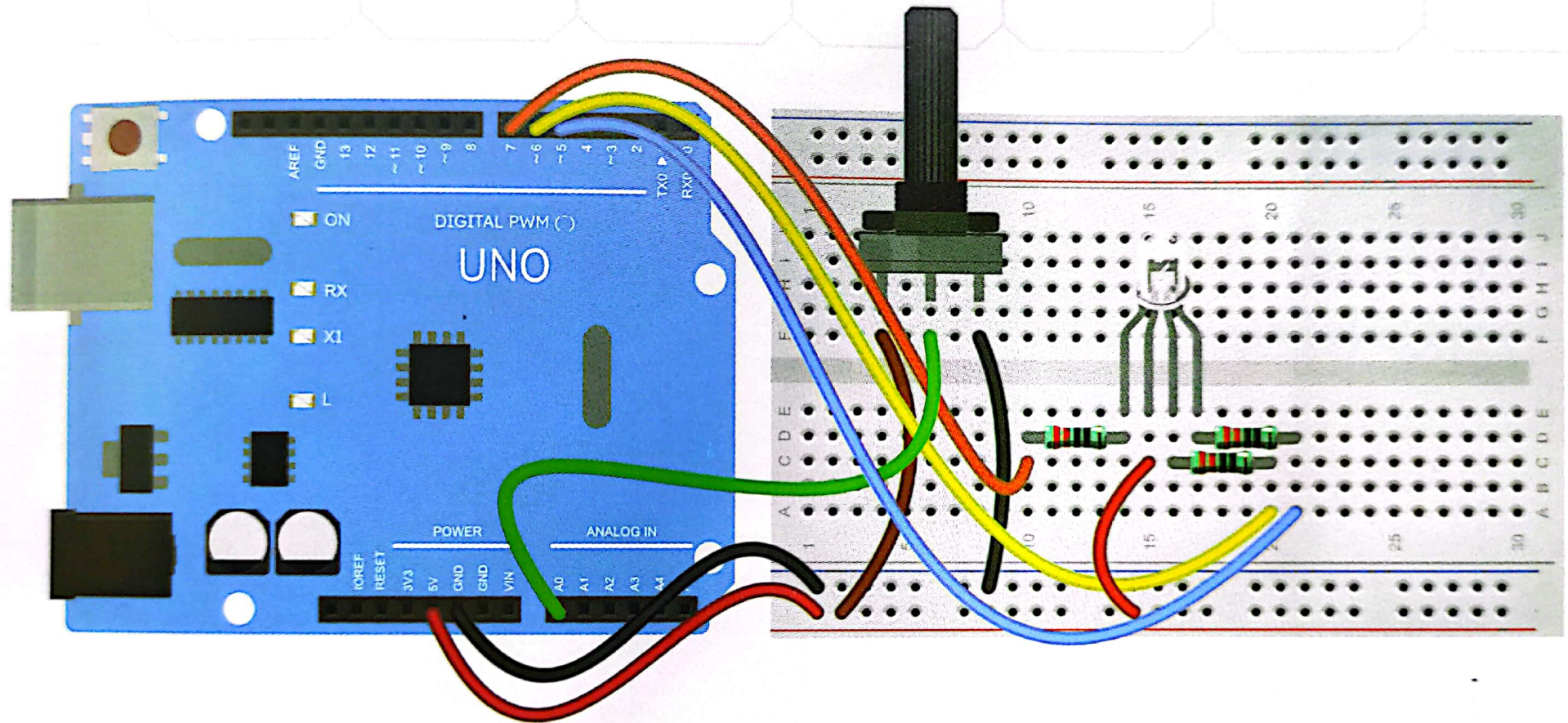


x5

6

TROQUE A COR DAS LUZES

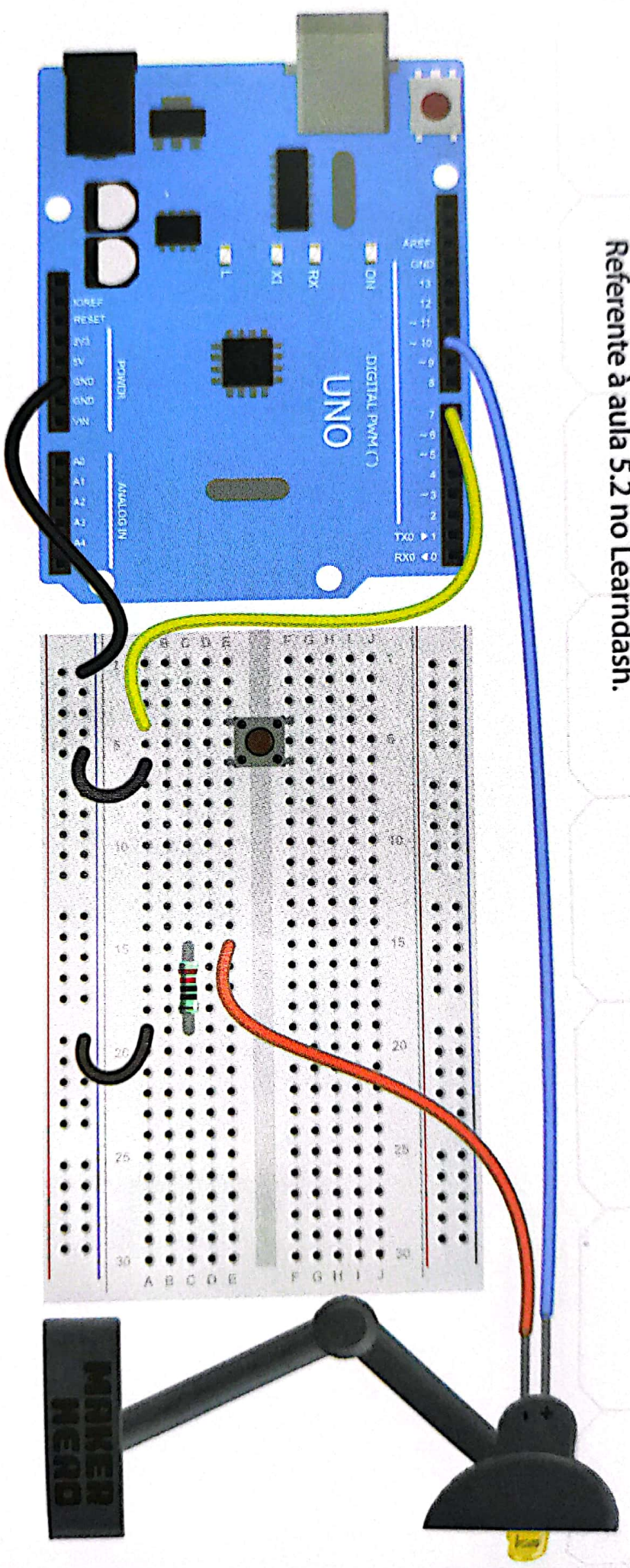
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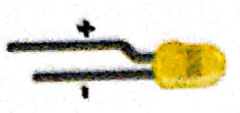
7

INTERRUPTOR DE LUZ INTERMITENTE

Referente à aula 5.2 no Learndash.



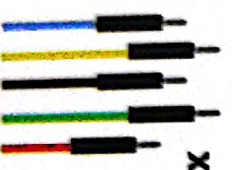
Componentes:



x1



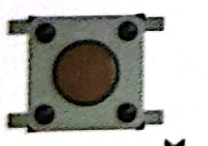
x1



x4



x2



x1

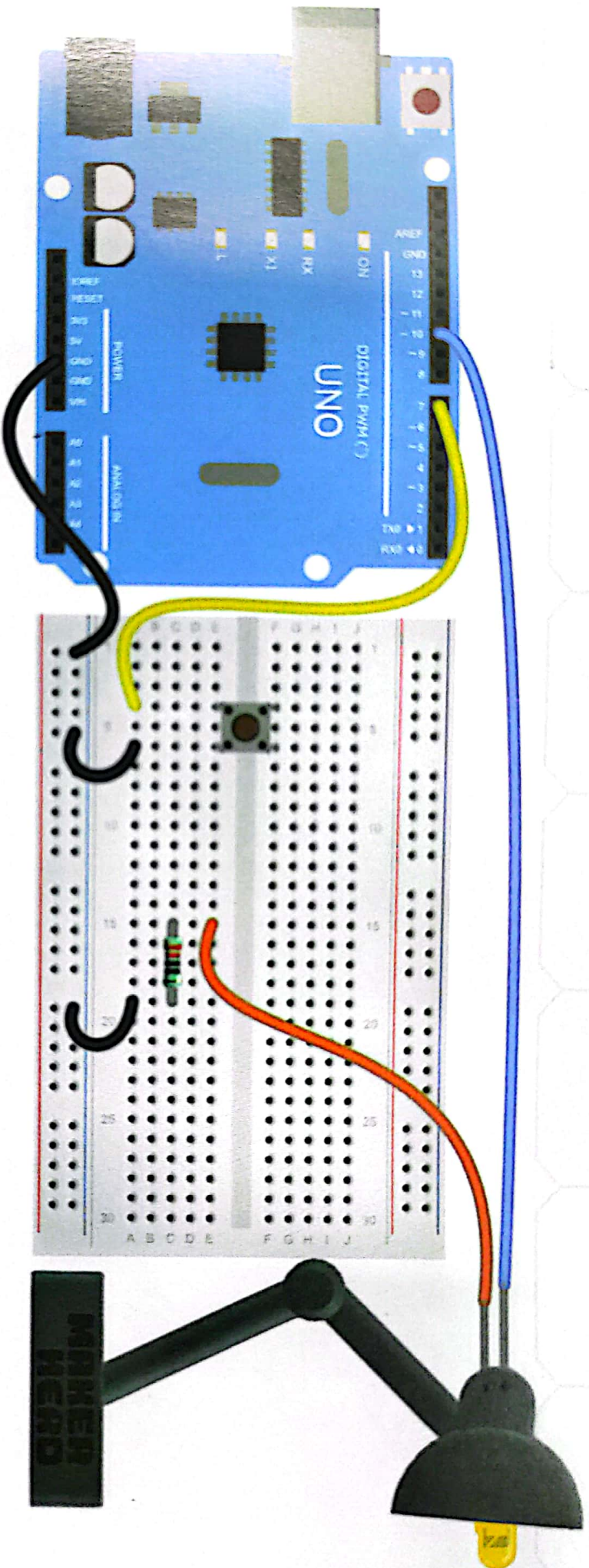


x1

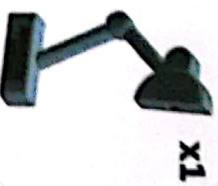
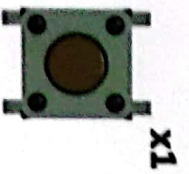
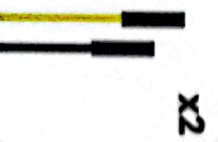
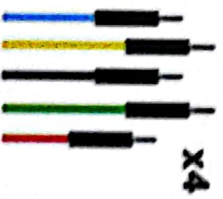
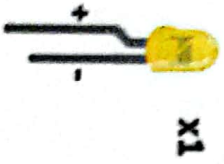
8

INTERRUPTOR DE LUZ LIGA-DESLIGA

Referente à aula 5.3 no Learndash.



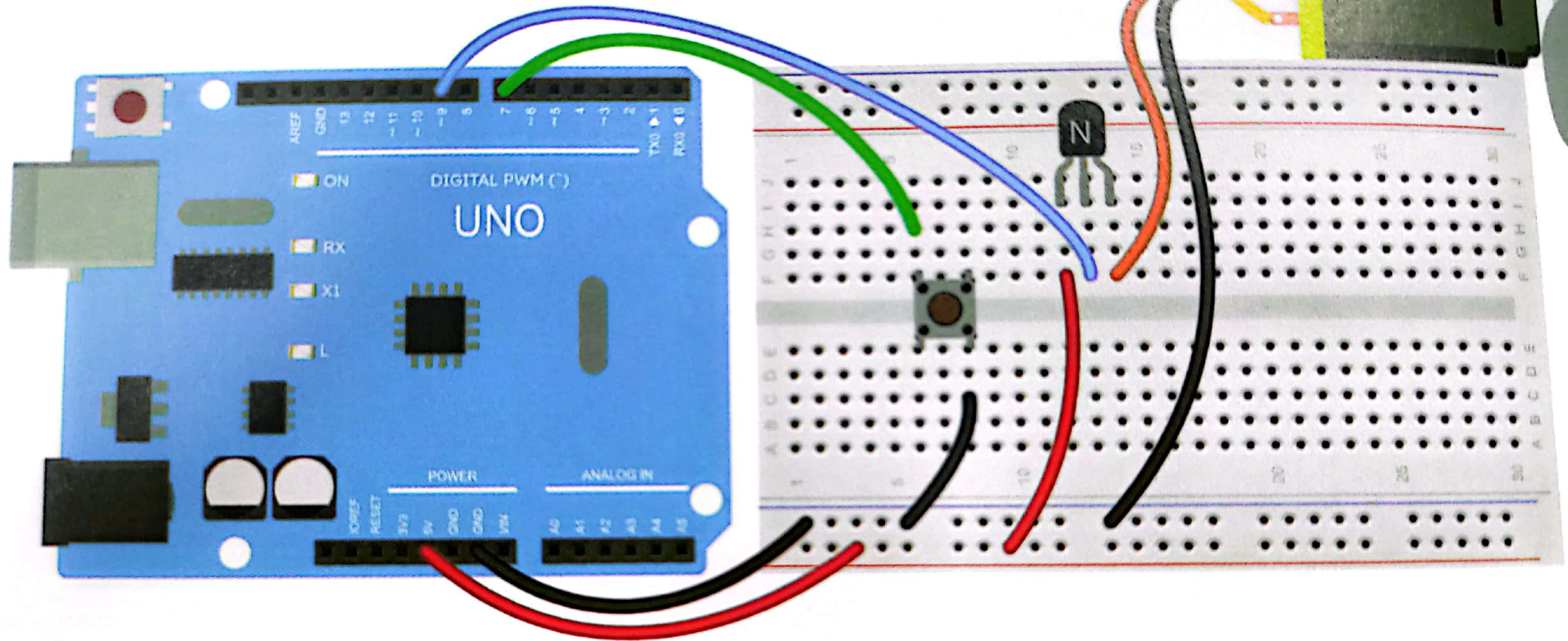
Componentes:



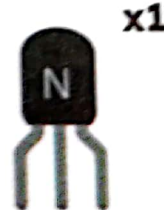
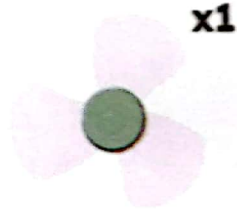
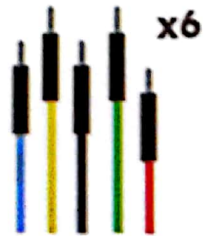
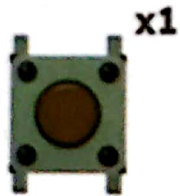
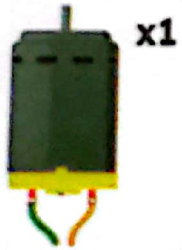
9

ACIONANDO UM MOTOR DC

Referente à aula 7.2 no Learndash.



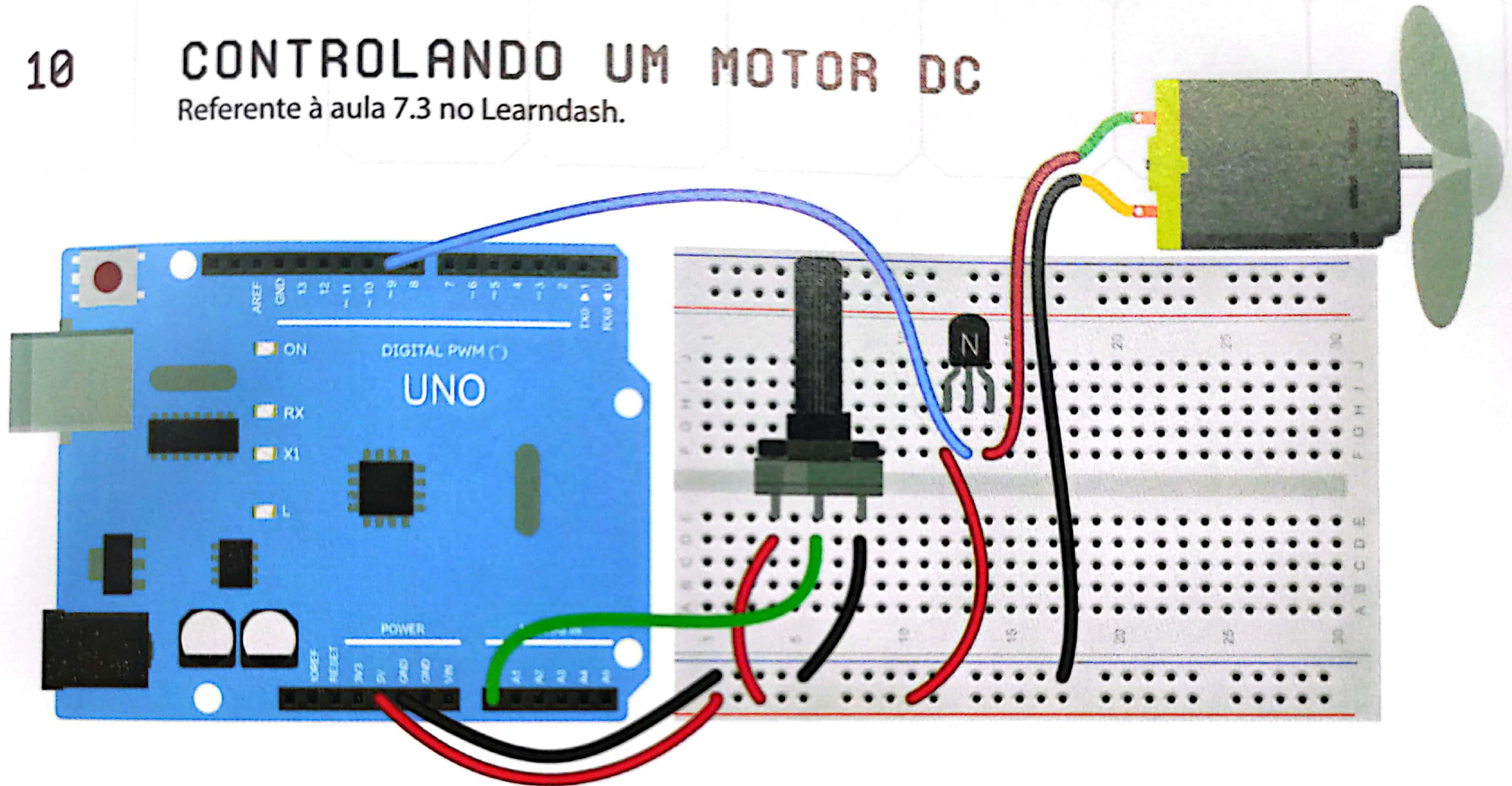
Componentes:



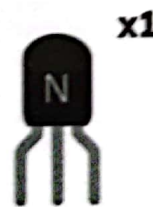
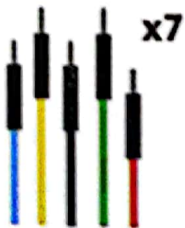
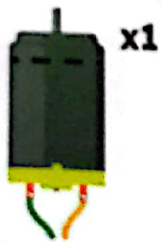
10

CONTROLANDO UM MOTOR DC

Referente à aula 7.3 no Learndash.



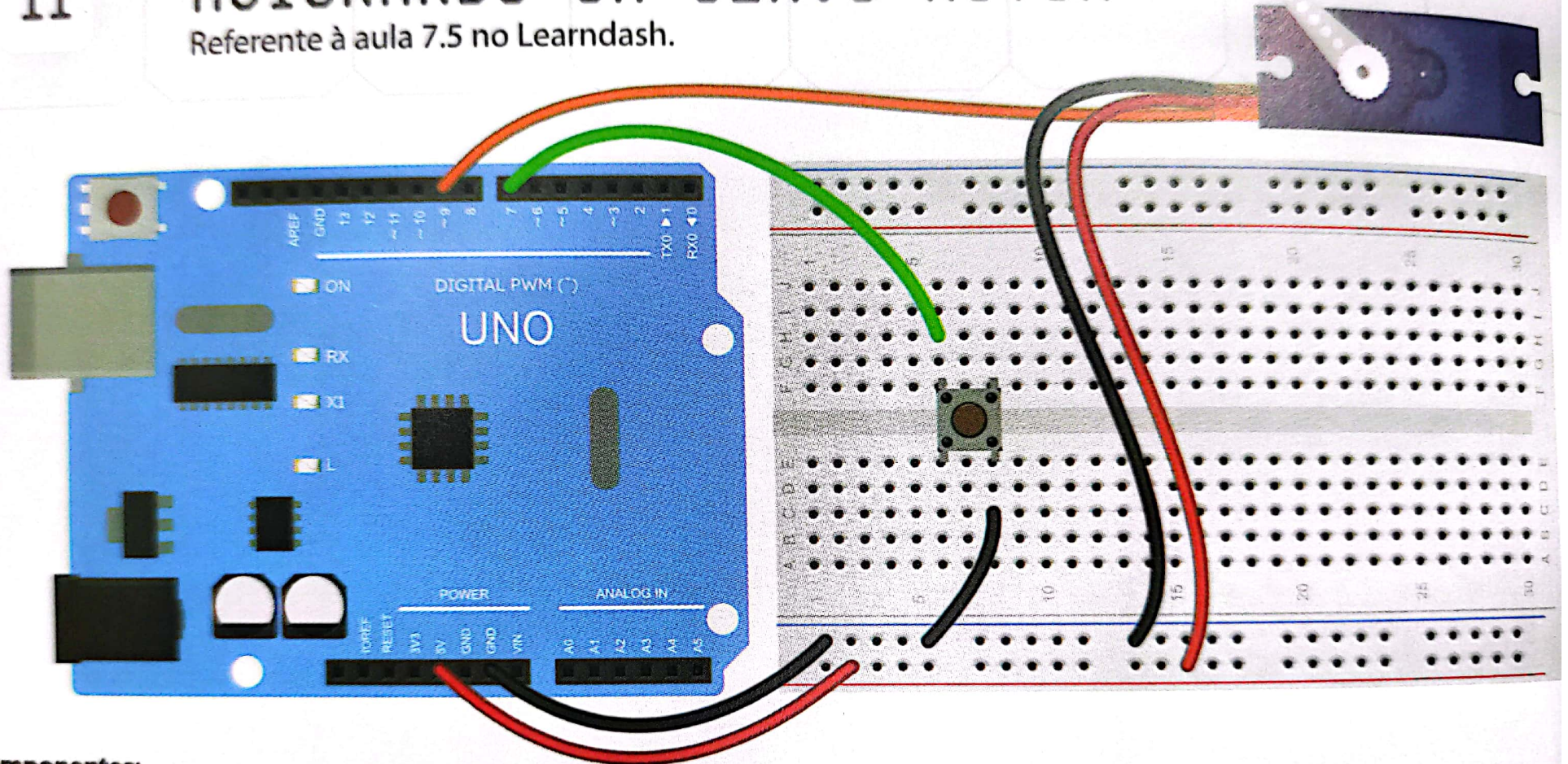
Componentes:



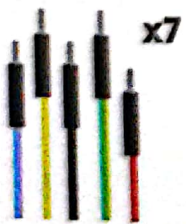
11

ACIONANDO UM SERVO MOTOR

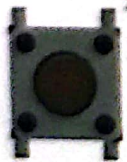
Referente à aula 7.5 no Learndash.



Componentes:



x7



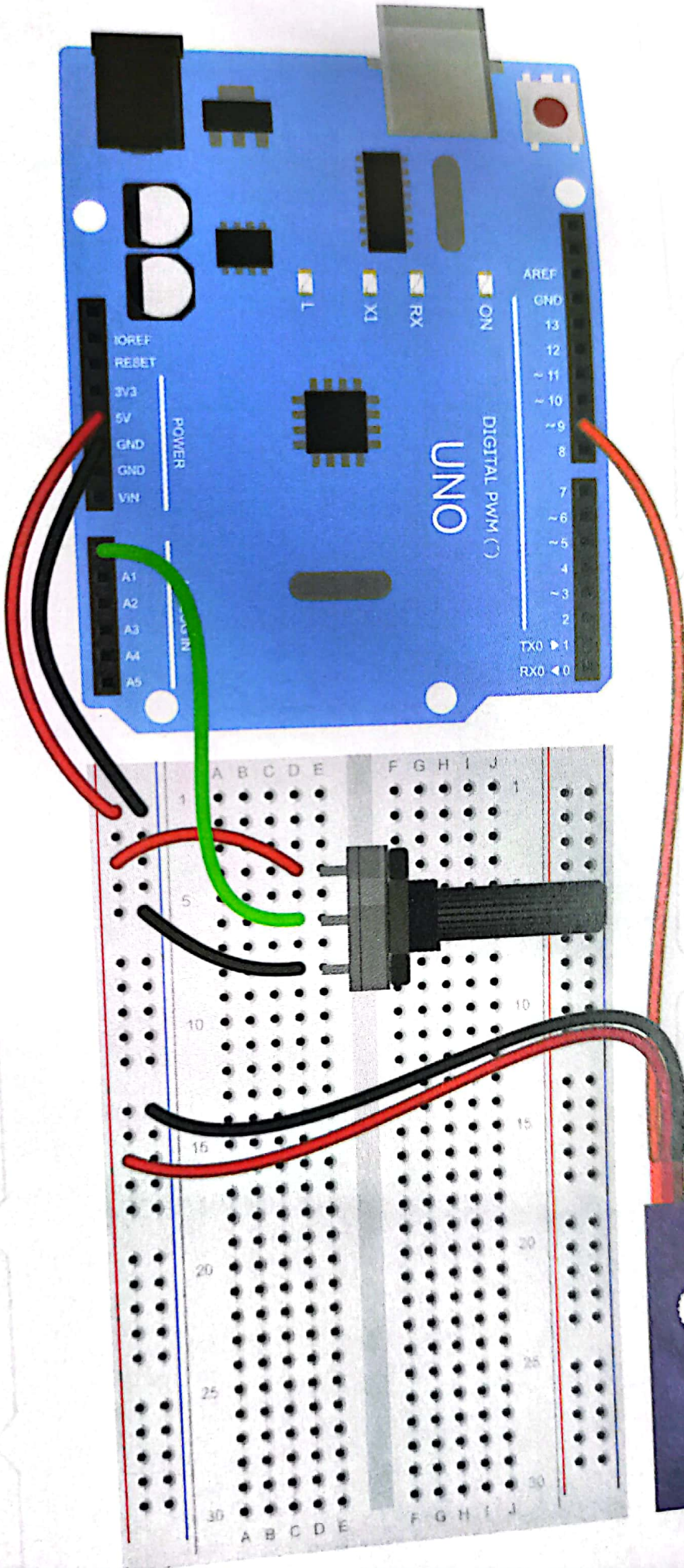
x1



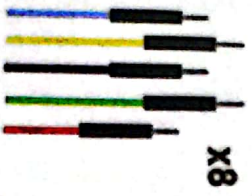
x1

CONTROLANDO UM SERVO MOTOR

Referente à aula 7.6 no Learndash.



Componentes:



x8



x1

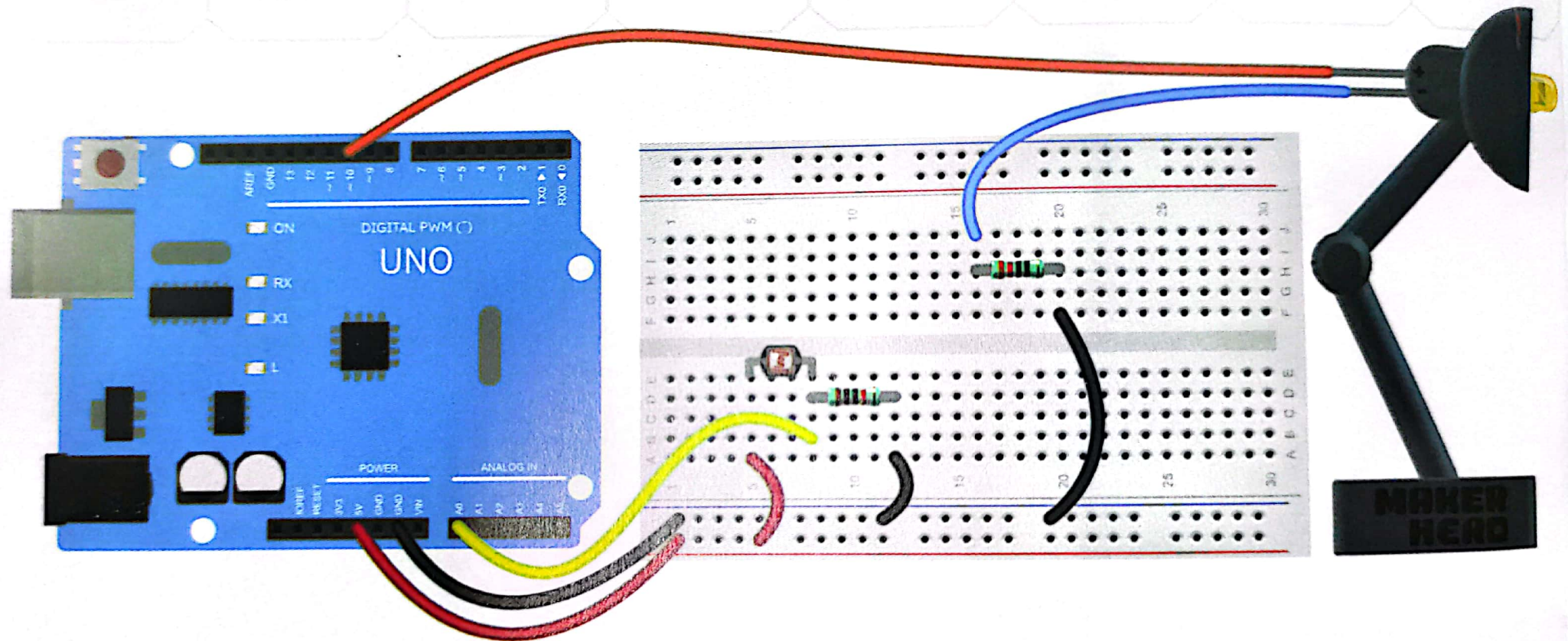


x1

13

SENSOR DE LUZ AMBIENTE

Referente à aula 8.2 no Learndash.



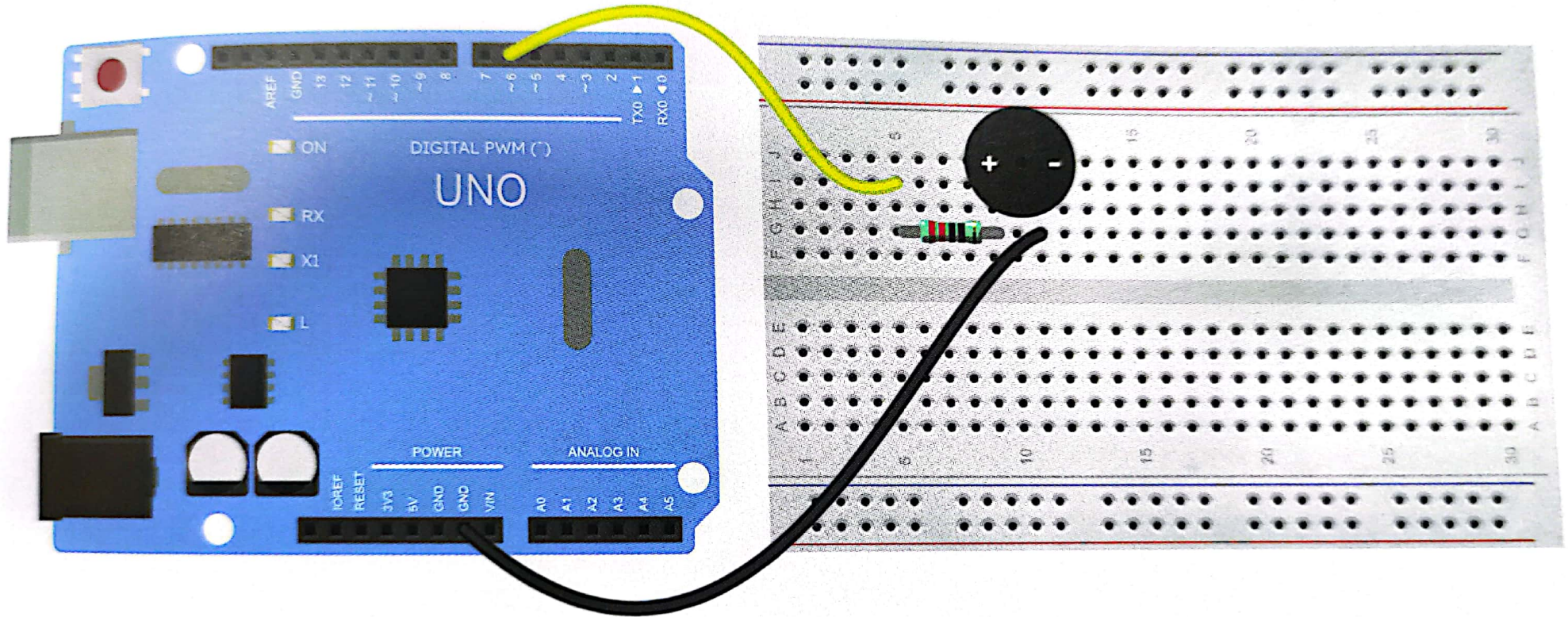
Componentes:

-  x6
-  x2
-  x1
220Ω 1/4W
-  x1
10KΩ 1/4W
-  x1
-  x1
-  x1

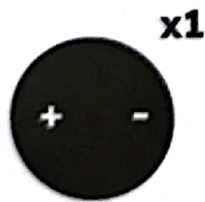
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ACIONANDO UM BUZZER

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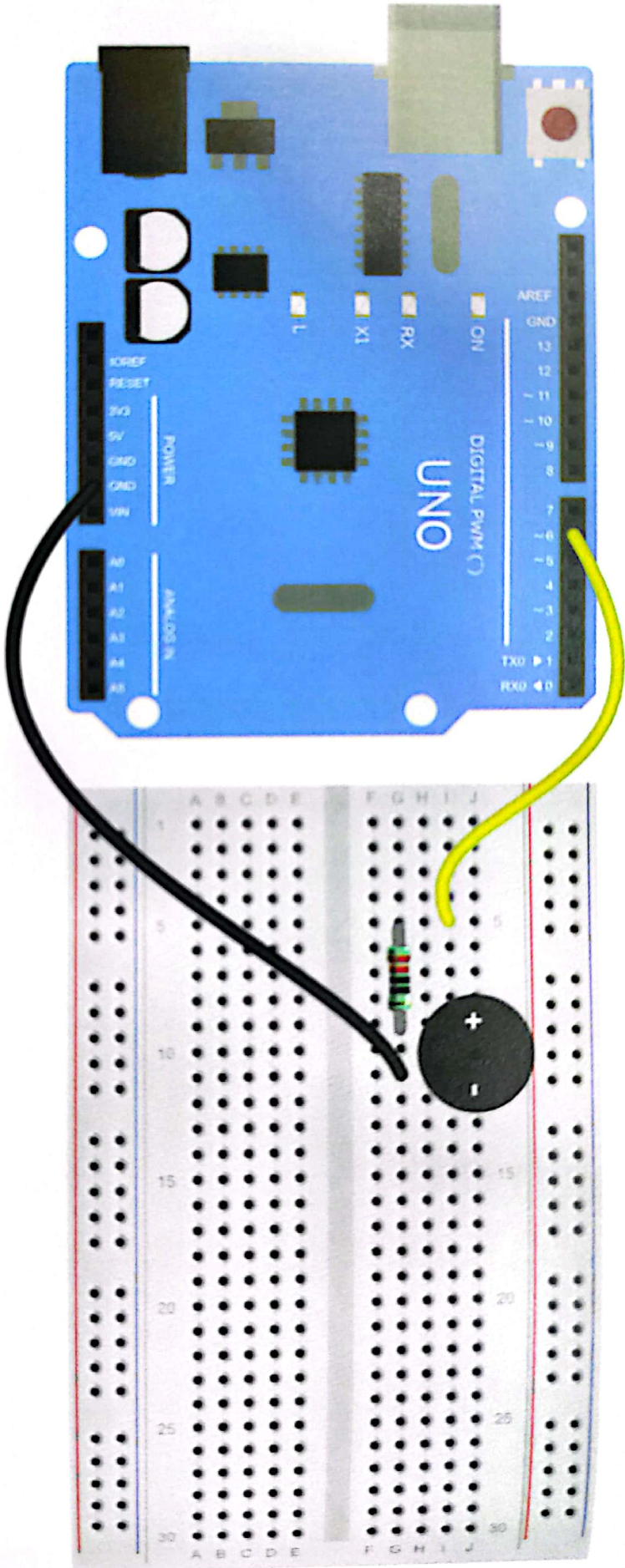
Componentes:



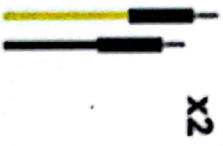
15

DÓ-RÉ-MI

Referente à aula 9.3 no Learndash.



Componentes:



x2



x1

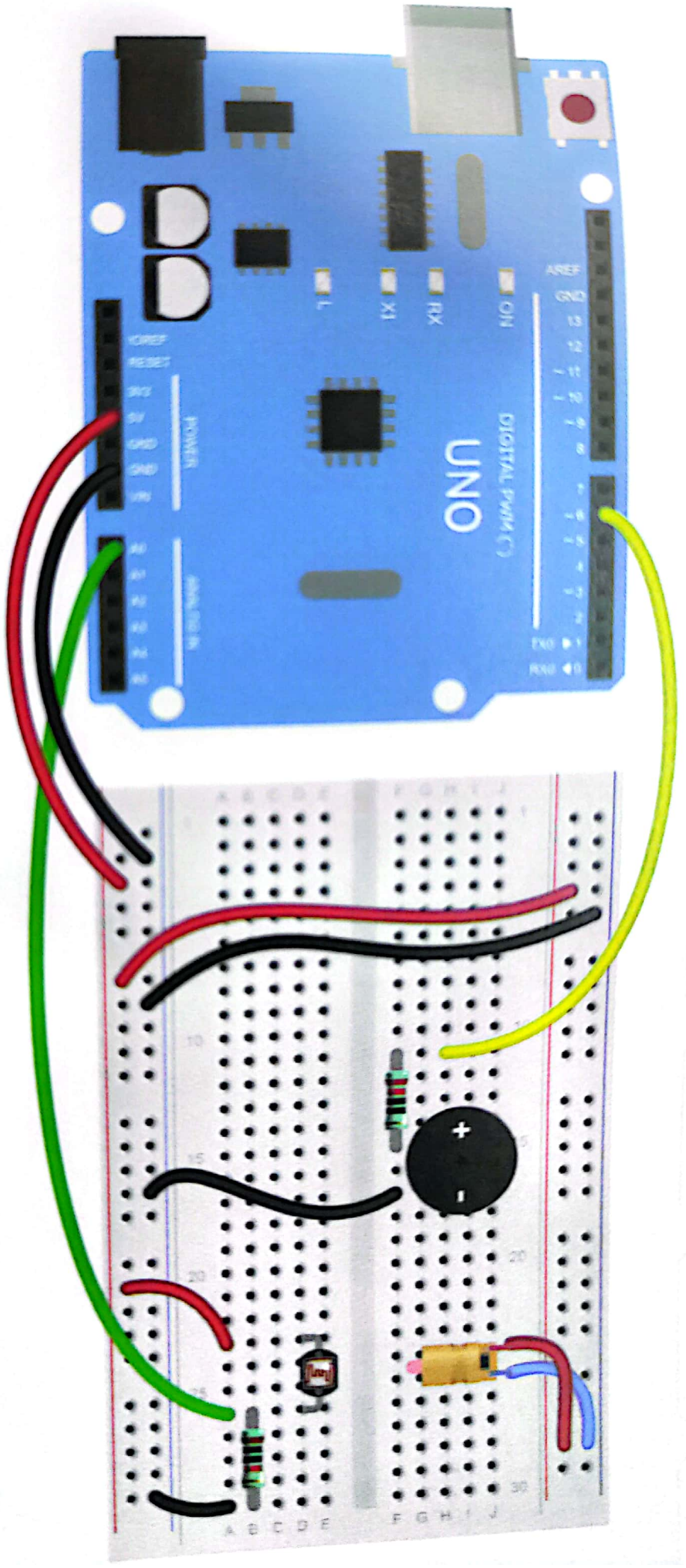
220Ω 1/4W



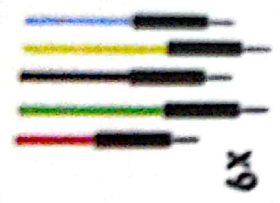
x1

ALARME COM SENSOR A LASER

Referente à aula 9.4 no Learndash.



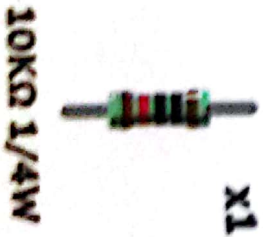
Componentes:



x9



x1



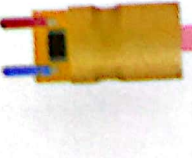
x1



x1



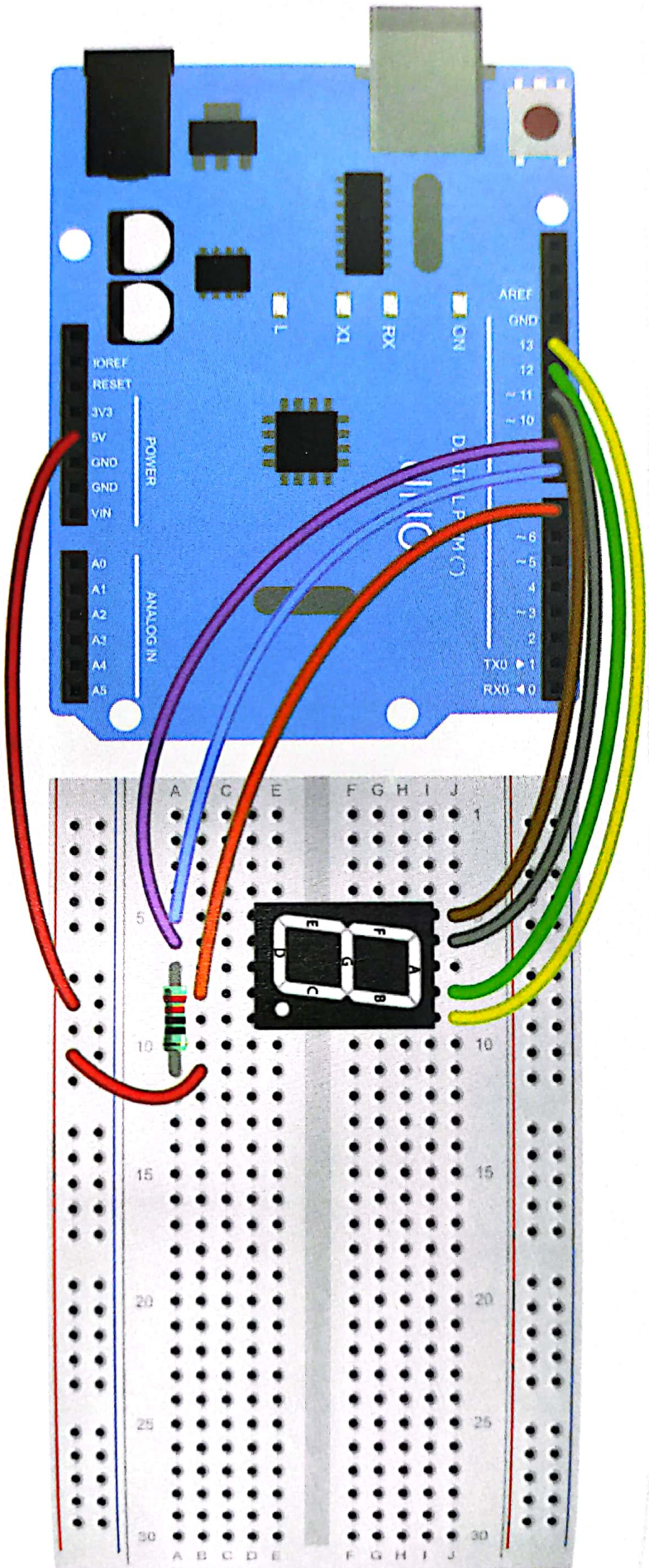
x1



x1

17 CONTADOR DIGITAL

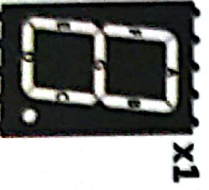
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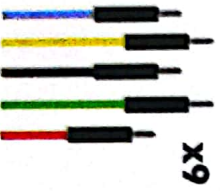
Componentes:



x1



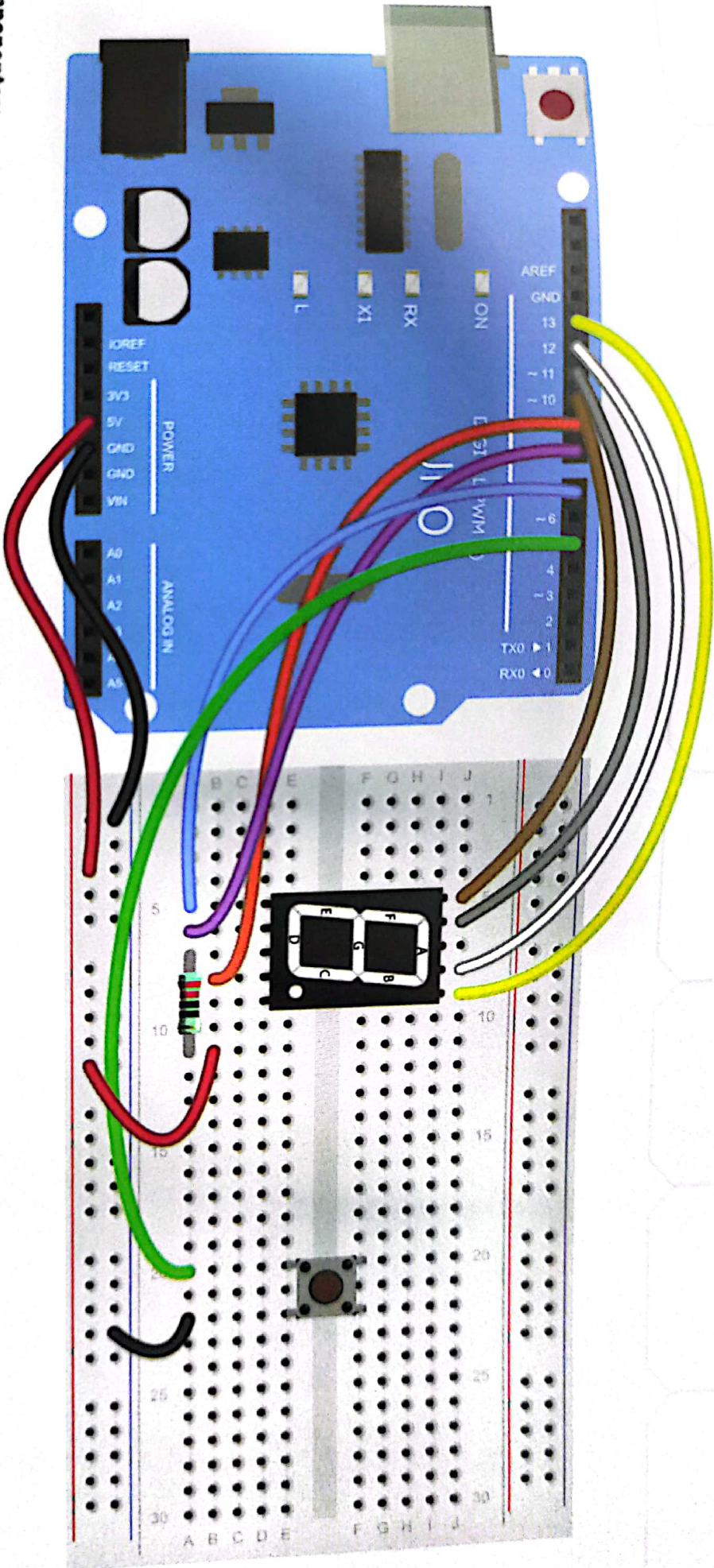
x1



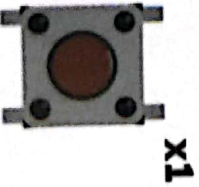
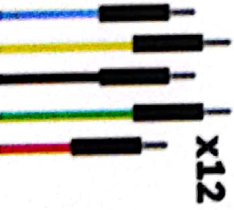
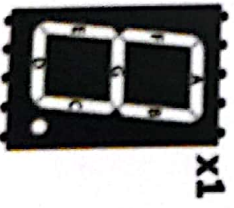
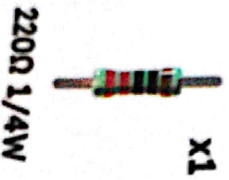
x9

DRDDO ELETRÔNICO

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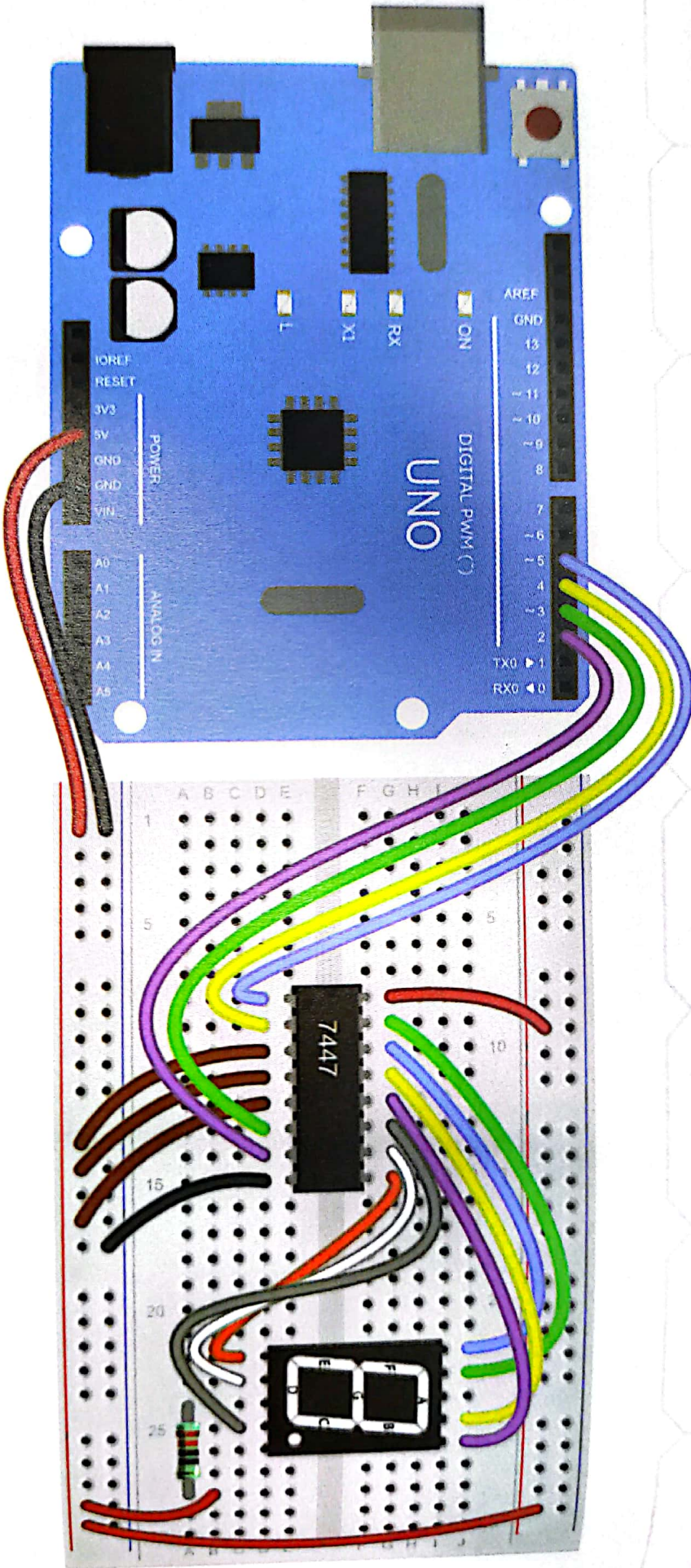


Componentes:

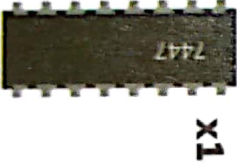
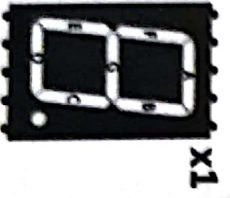
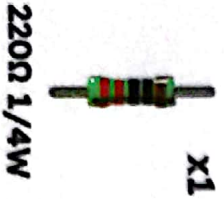


CONTADOR DIGITAL 2.0

Referente à aula 11.2 no LearnDash.

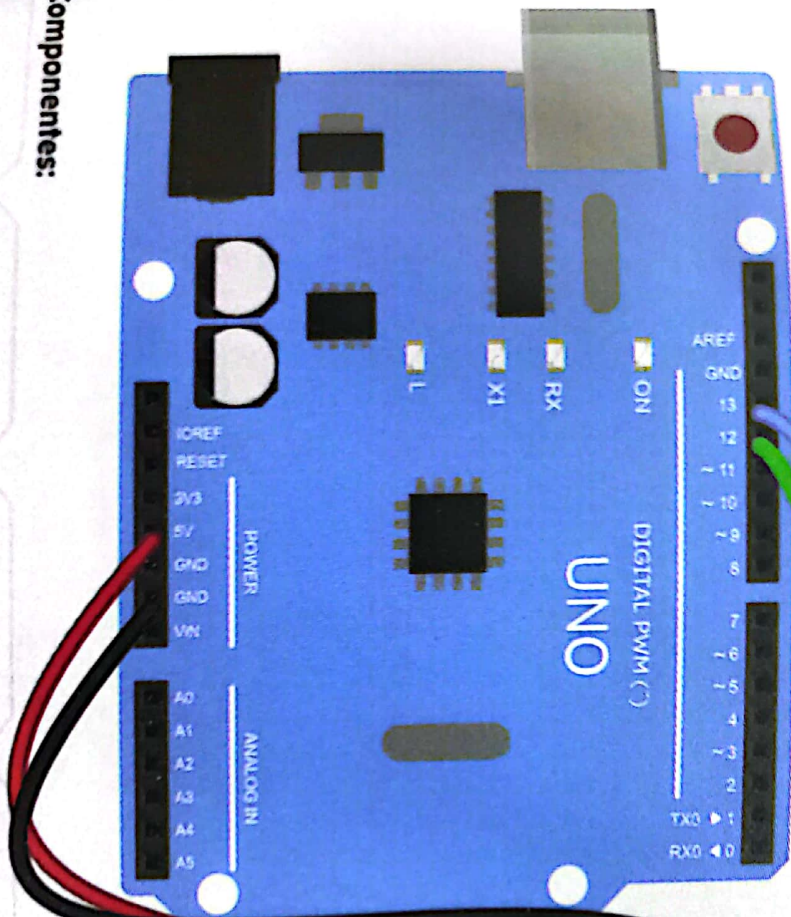


Componentes:

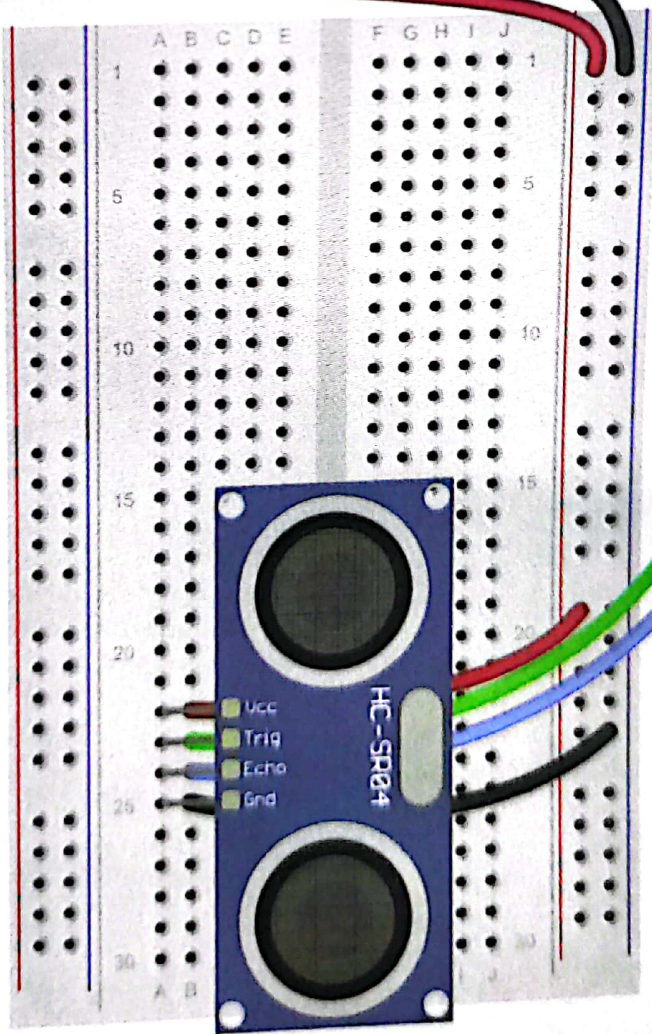
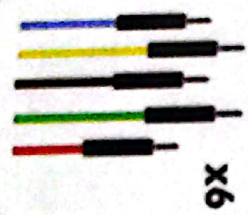
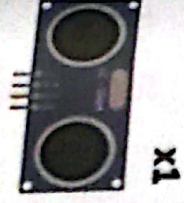


TRENA DIGITAL

Referente à aula 12.2 no Learndash.



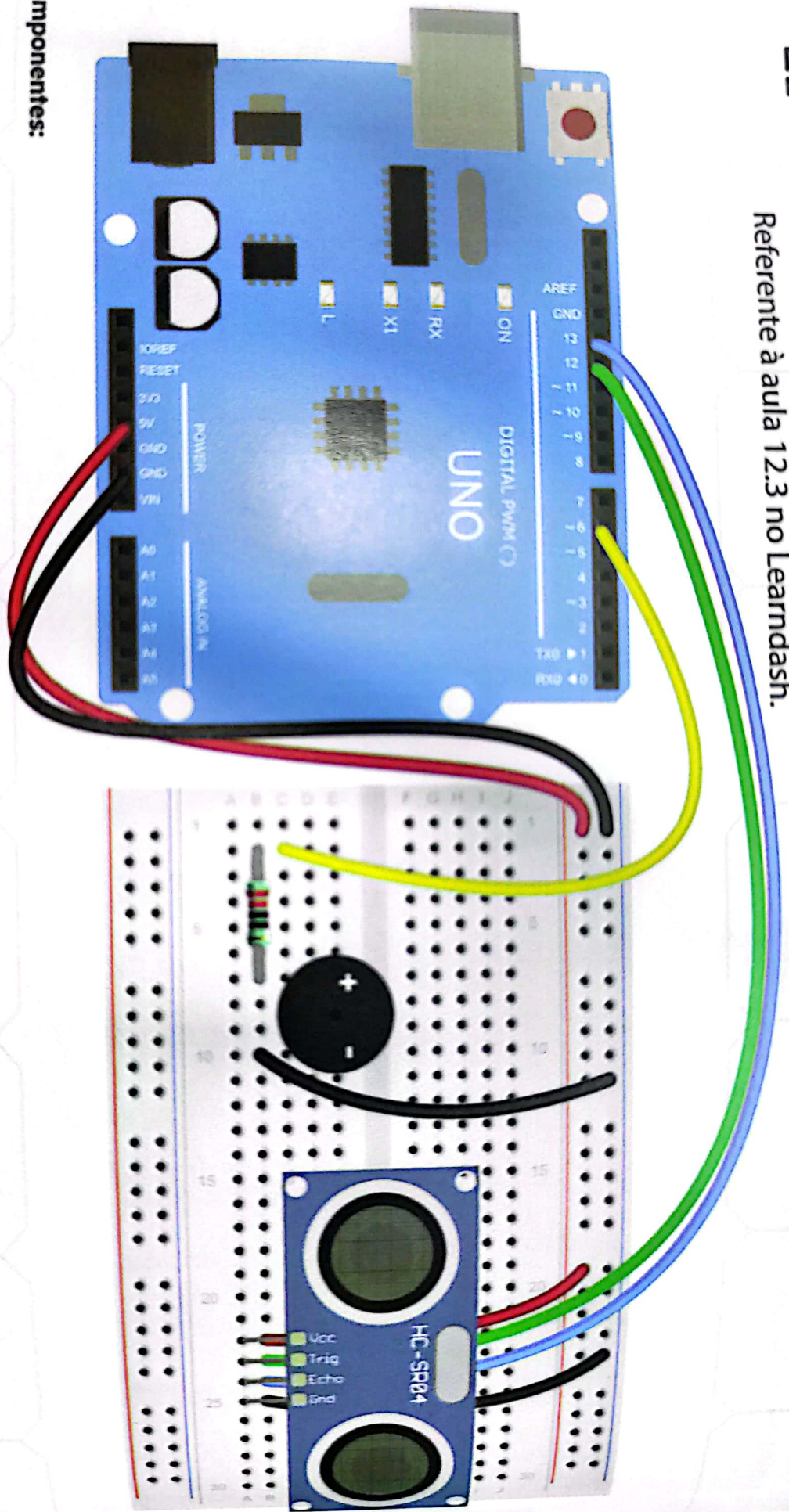
Componentes:



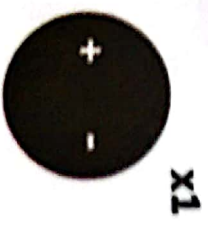
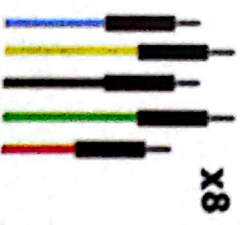
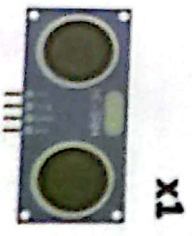
21

ALARME DE MOVIMENTO

Referente à aula 12.3 no Learndash.

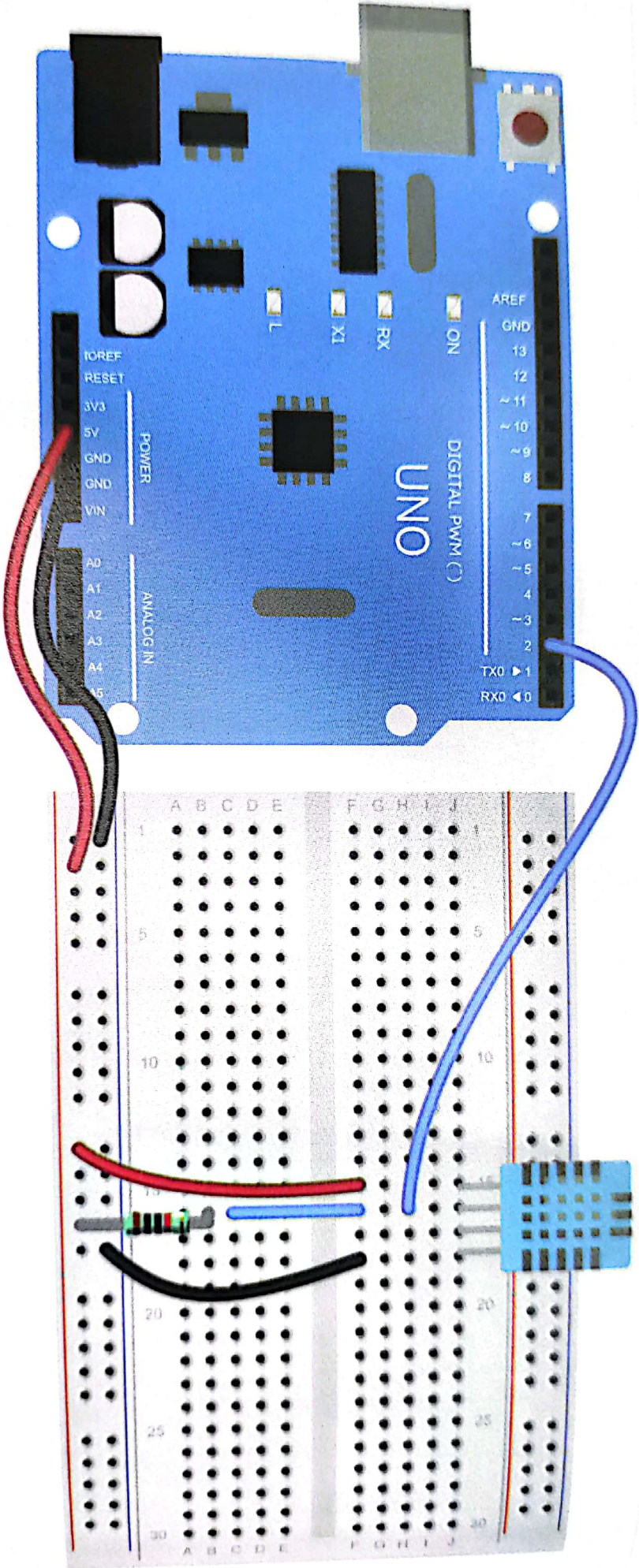


Componentes:

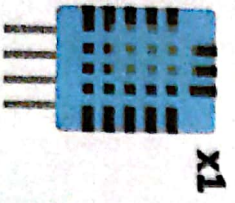


LEITURA DE TEMPERATURA E UMIDADE

Referente à aula 13.2 no Learndash.



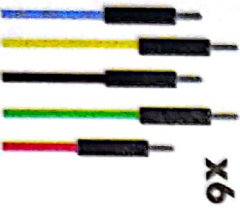
Componentes:



x1



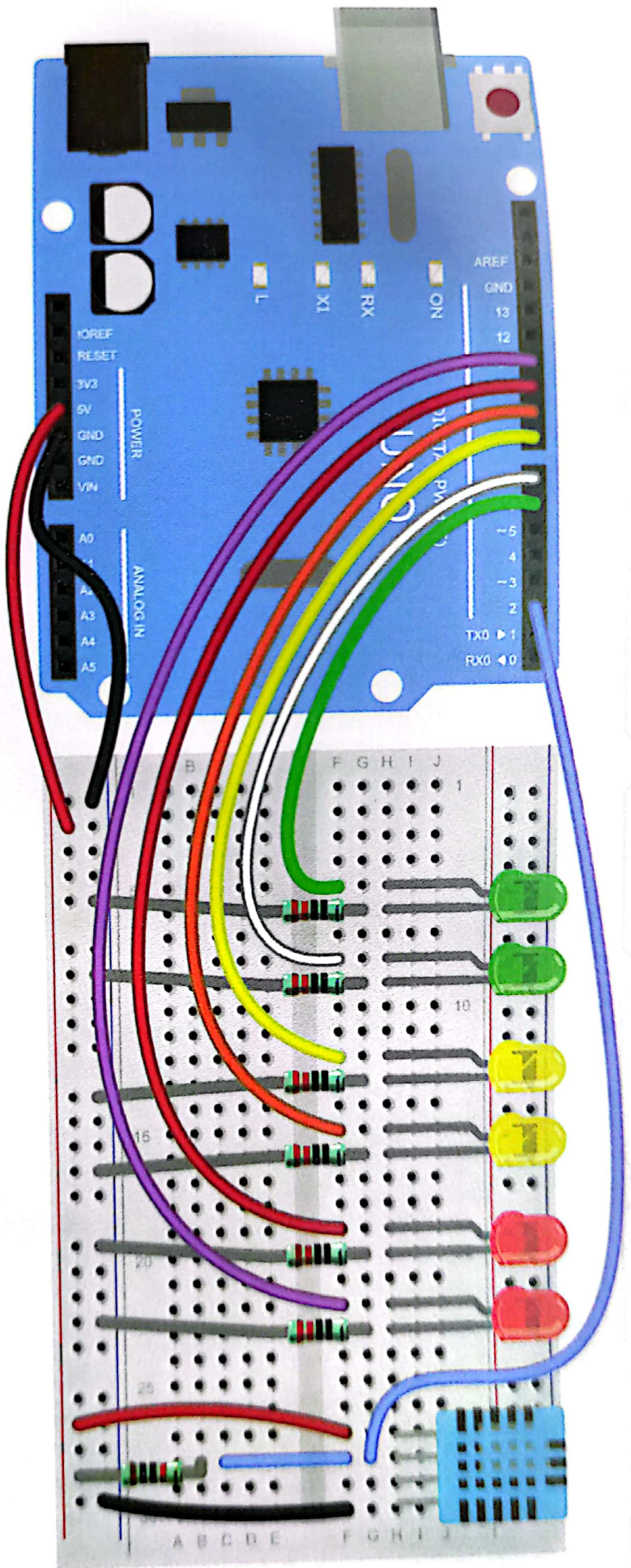
x1



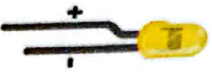
x6

TERMÔMETRO LUMINOSO

Referente à aula 13.3 no LearnDash.



Componentes:



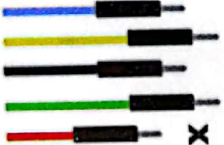
x2



x2



x2



x12



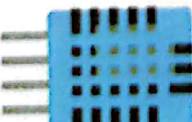
x1

10KΩ 1/4W



x6

220Ω 1/4W

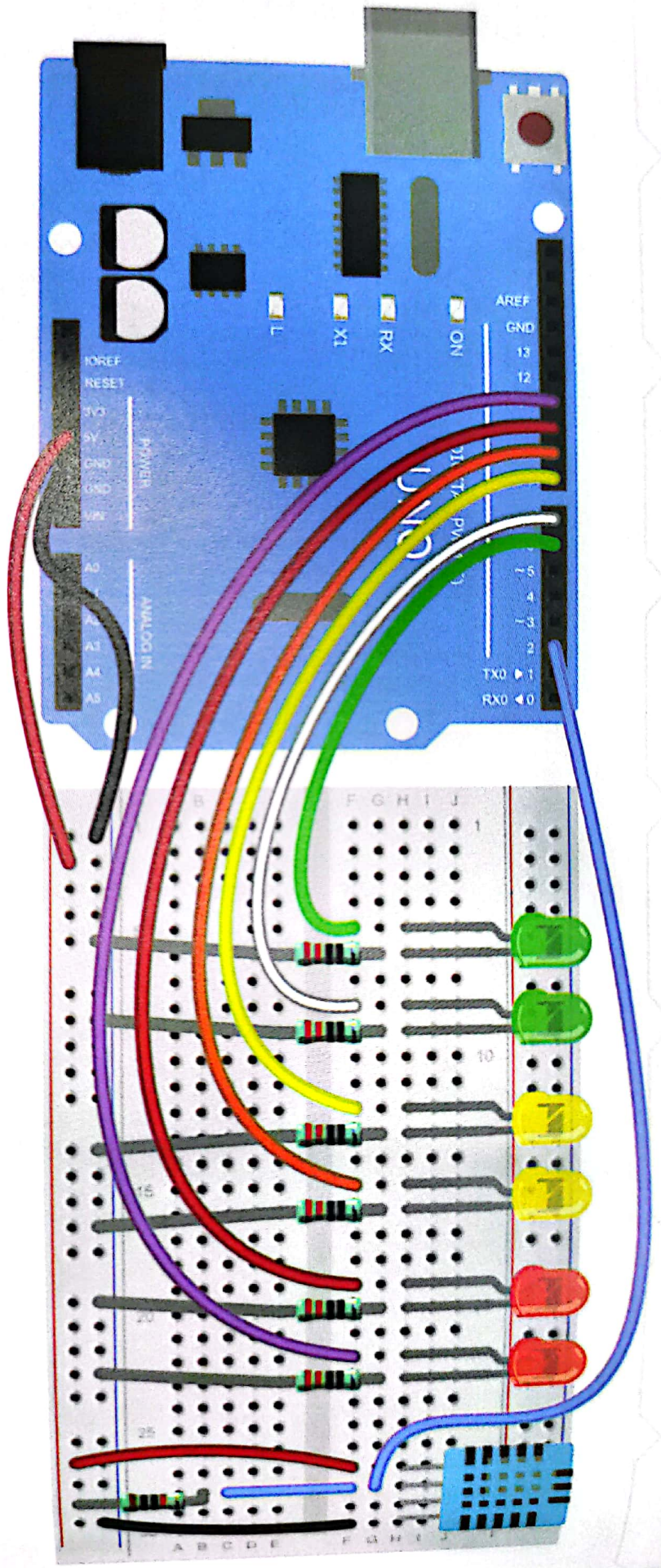


x1

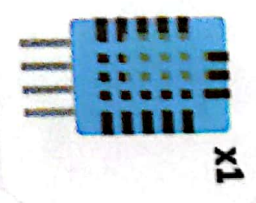
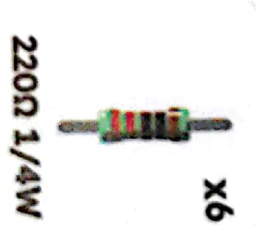
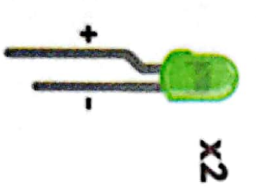
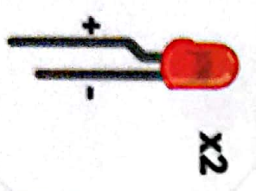
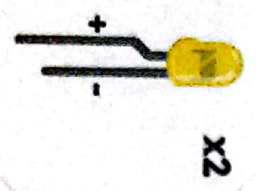
25

HIGRÔMETRO LUMINOSO

Referente à aula 13.4 no Learndash.



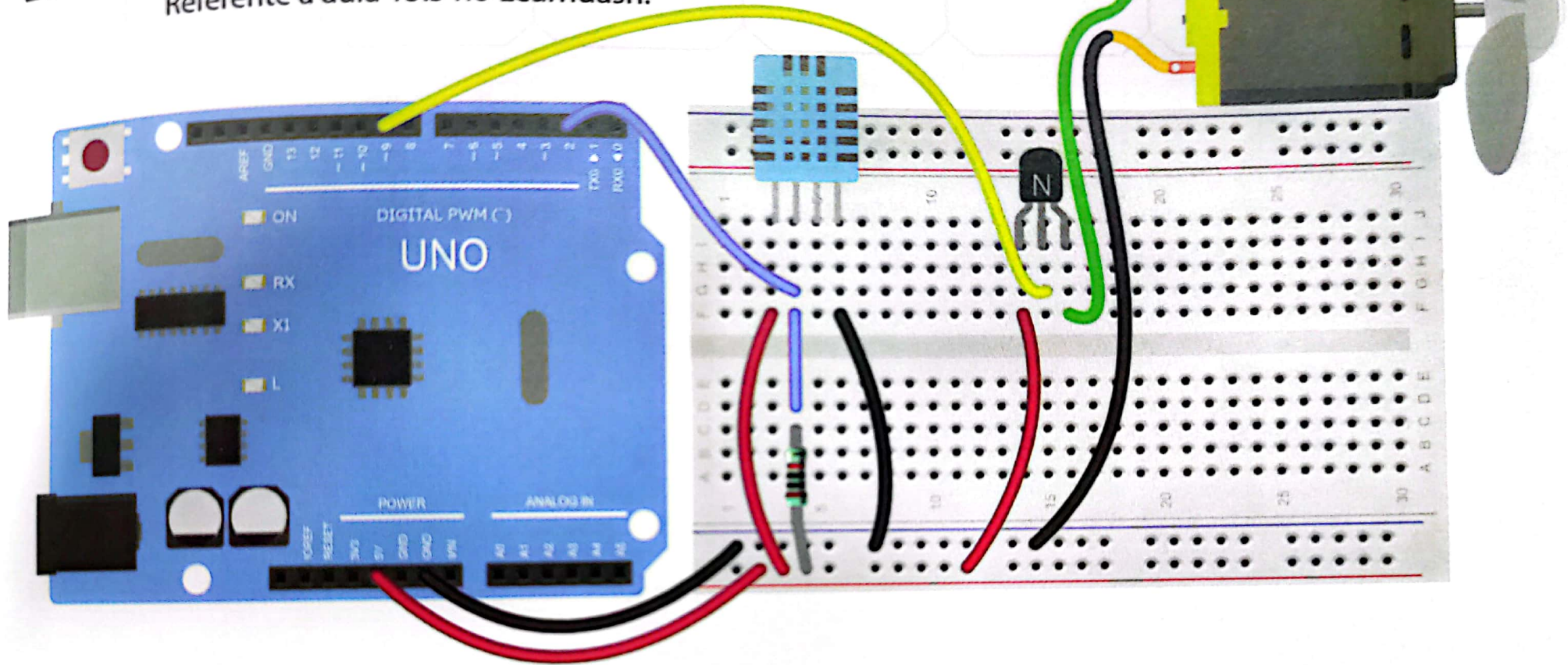
Componentes:



26

VENTILADOR AUTOMÁTICO

Referente à aula 13.5 no Learndash.



Componentes:

