

PLAN AND DESIGN YOUR OWN ROBOT

In this session, pupils plan and design their own robot. Firstly, they use a class diagram to collect all the features of the robot (name, attributes, methods). With all the features in mind, the pupils then design their robot and present it to the group.

Zielgruppe: SchülerInnen (6-10)

Fach: nicht fachbezogen

Digitale Grundbildung: Computational Thinking

Dauer: 40-60 Minuten

Diagrammtyp: Klassendiagramm

Sprache: Englisch

MODELING AT SCHOOL

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Name _____

Date _____

MEET MY ROBOT

PLAN YOUR OWN ROBOT IN THE CLASS DIAGRAM BELOW

Name:

Attributes (How does your robot look like?)

Methods (What are the functions of your robot?)



Name _____

Date _____

MEET MY ROBOT

WHAT DOES YOUR ROBOT LOOK LIKE?

Draw the robot you planned in the class diagram in the white field below.



Example for teachers

MEET MY ROBOT

PLAN YOUR OWN ROBOT IN THE CLASS DIAGRAM BELOW

Name: Chuck

Attributes (How does your robot look like?)

Material = iron

Size = 50cm

Weight = 15kg

Colour(s) = red, green

Methods (What are the functions of your robot?)

+ carry things

+ cook

+ entertain

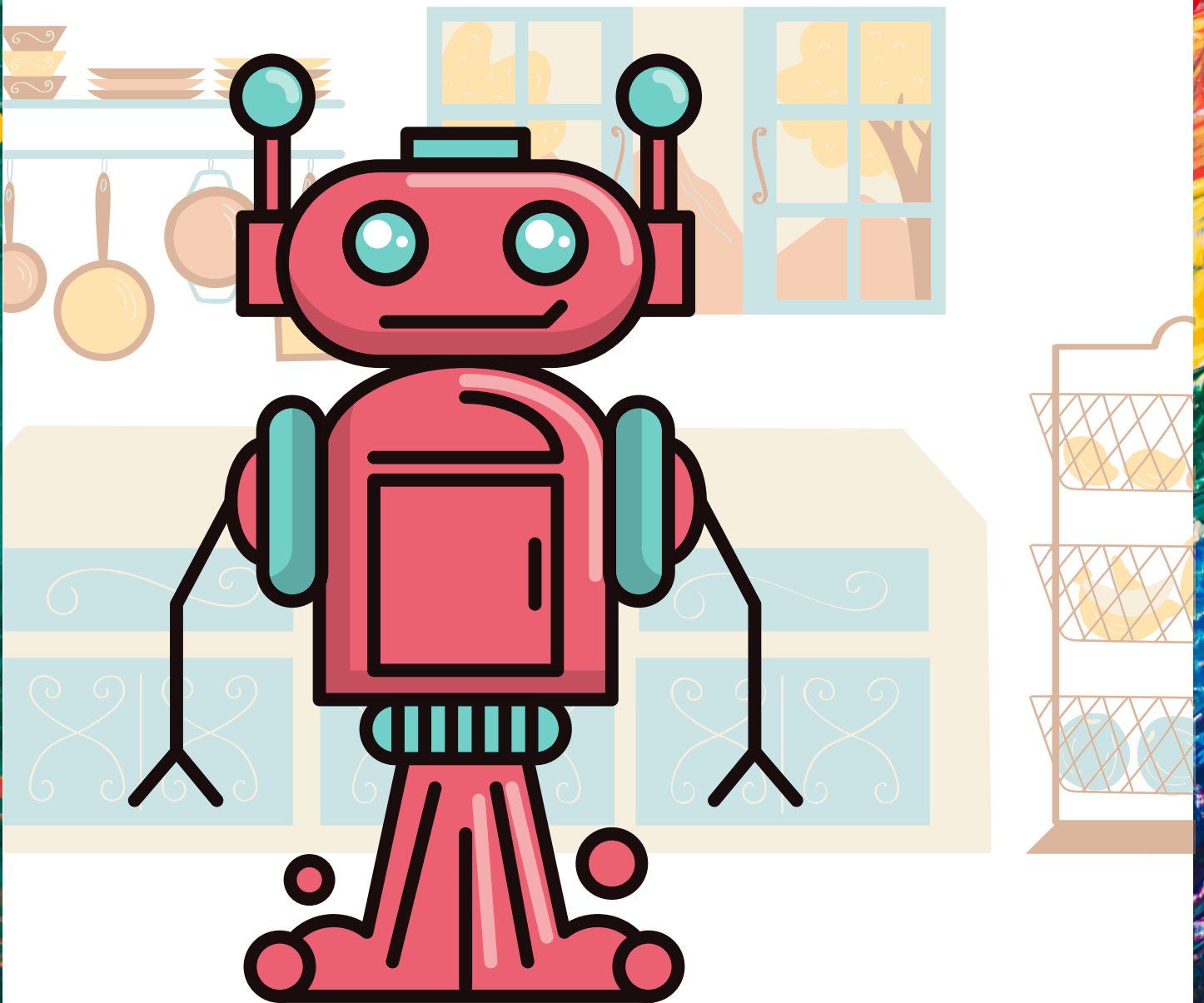
+ do my homework

Example for teachers

MEET MY ROBOT

WHAT DOES YOUR ROBOT LOOK LIKE?

Draw the robot you planned in the class diagram in the white field below.



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