PQOTOCOL

blank working sheet



DOES TEMPERATURE CHANGE THE SPEED OF SOUND?

The speed of sound is affected by the environmental conditions in which it propagates. This can include factors such as pressure, humidity and chemical composition. It is important to consider the environmental impacts on the speed of sound in various applications, such as acoustic communication, acoustics and meteorology. By knowing how the environment can affect the speed of sound, one can better understand and predict the acoustic properties of a given environment.

Can you develop a solution to measure the impact of temperature on the speed of sound?







Name your team / Name of the participants:

This protocol is part of the TheDexterLab project funded with support from the European Commission through the Erasmus + Strategic Partnership Programme. Its content reflects the views only of the author, and the Commission cannot be held responsible for any use that may be made of the information contained therein. This work is licensed under a Creative Commons Attribution-ShareAlike 4.0 International License.



DOES TEMPERATURE CHANGE THE SPEED OF SOUND?



DEFINE YOUR SCIENTIFIC EXPERIMENT



We invite you through this model to be creative while developing the scientific and technical points to design a unique and motivating experiment! You are free to develop your own solution or to draw on our existing protocols and pre-existing resources you can find on the internet.

fly introduce your experime ed, what are the learning ob	ent, the issues addressed, the learning objectives. Define the problem to blectives?
, 3	
EDDICCIDI INADI:	T U
EQDISCIPLINDQI'	TY
'EQDIGCIPLINQQI'	Concept addressed through the protocol
Discipline	Concept addressed through the protocol
Discipline OCEPTUALISATION OF THE PROPERTY OF	Concept addressed through the protocol
Discipline	Concept addressed through the protocol

DOES TEMPERATURE CHANGE THE SPEED OF SOUND?



INVESTIGATION

Describe the steps needed to answer your hypothesis. You could use the following steps as a guide: collect the data and use sensors, display the data, make it accessible, analyse the data and conclude, use the data to propose one or more solutions.

DOES TEMPERATURE CHANGE THE SPEED OF SOUND?



IUNE LIGO.	TION - CONT	INUED			
CONCLUDE	i, DERQIEF				
CONCLUDE	vledge mobilised d	uring this phase	e, identify the lea	arnings aquired, re	eflect on what you have
Identify the know		uring this phase and skills.	e, identify the lea	arnings aquired, re	eflect on what you have
Identify the know	vledge mobilised d	uring this phase and skills.	e, identify the lea	arnings aquired, re	eflect on what you have
Identify the know	vledge mobilised d	uring this phase and skills.	e, identify the lea	arnings aquired, re	eflect on what you have
Identify the know	vledge mobilised d	uring this phase and skills.	e, identify the lea	arnings aquired, re	eflect on what you have
Identify the know	vledge mobilised d	uring this phase and skills.	e, identify the lea	arnings aquired, re	eflect on what you have
Identify the know	vledge mobilised d	uring this phase and skills.	e, identify the lea	arnings aquired, re	eflect on what you have
Identify the know	vledge mobilised d	uring this phase	e, identify the lea	arnings aquired, re	eflect on what you have
Identify the know	vledge mobilised d	uring this phase	e, identify the lea	arnings aquired, re	eflect on what you have
Identify the know	vledge mobilised d	uring this phase and skills.	e, identify the lea	arnings aquired, re	eflect on what you have
Identify the know	vledge mobilised d	uring this phase and skills.	e, identify the lea	arnings aquired, re	eflect on what you have
Identify the know	vledge mobilised d	uring this phase and skills.	e, identify the lea	arnings aquired, re	eflect on what you have
Identify the know	vledge mobilised d	uring this phase and skills.	e, identify the lea	arnings aquired, re	eflect on what you have
Identify the know	vledge mobilised d	uring this phase and skills.	e, identify the lea	arnings aquired, re	eflect on what you have
Identify the know	vledge mobilised d	uring this phase and skills.	e, identify the lea	arnings aquired, re	eflect on what you have
Identify the know	vledge mobilised d	uring this phase and skills.	e, identify the lea	arnings aquired, re	eflect on what you have