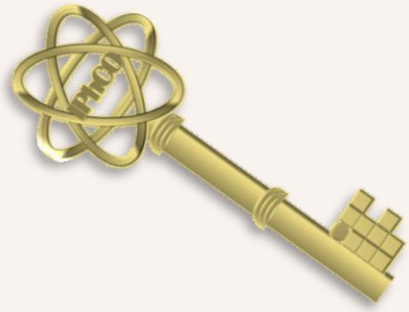
# International Physics & Culture Olympiad

At each new portal a physics challenge.

24 hours to answer the question. An unforgettable virtual journey!

Three Keys to win: copper, silver and gold.

Three collectible postcards sent to your home.



**IFPR**

*Campus Curitiba*

Rua João Negrão, 1285
Rebouças, Curitiba
Paraná –Brasil

CNPq
Conselho Nacional de Desenvolvimento Científico e Tecnológico

MINISTÉRIO DA CIÊNCIA, TECNOLOGIA E INOVAÇÕES

PÁTRIA AMADA BRASIL GOVERNO FEDERAL

INSTITUTO FEDERAL
Paraná
Campus Curitiba

# IPhCO

# 2020

www.iphco-ifpr.curitiba.br

**The International Physics and Culture Olympiad - IPhCO - 2020** will begin on November 04th and end on November 14th.

IPhCO is an annual physics competition for high school students. There are 07 physics Questions to answer, and therefore seven chances to win points. The student will have the opportunity to solve three questions in the first week and four questions in the second and last week. Please, see the schedule below:

| | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| **W1** | | | Q1 | Q2 | Q3 | |
| **W2** | | | Q4 | Q5 | Q6 | Q7 |

Week 1: November 04, 05 and 06
Week 2: November 11, 12, 13 and 14

## School Registration

Schools have until October 25 to enroll for the 2020 IPhCO. Once the school is enrolled, the students will complete the Student Form whit name, email and mailing addresses. Postcard delivery depends on the mailing addresses being correctly filled in, so do not forget to enter your data.

## Multidisciplinary

IPhCO is a multidisciplinary Olympiad where Art, Culture, Geography, History, Mathematics and Physics walk together throughout the competition. This online Olympiad aims at encouraging the search for knowledge by promoting science and culture.

## Awards& Certificates

Students' success on solving the questions will be awarded with collectible postcards. Each postcard represents a conquered key. At the end, the school principal, teachers and students will receive the IPhCO 2020 Certificates.

## Contact

**iphco@ifpr.edu.br**

## Portals

Open a portal to a distant place, a story ... travel through time and unravel the mystery! The first portal will open at 00:00 a.m. on November 04th. The second portal at 00:00 a.m. on November 05th and so on, accordingly to the Schedule. Don't miss the opportunity! There are only seven Portals to open!

## Password

Portals are linked to Questions. To open a portal you will need a password. The passwords will be sent by email to all enrolled students during the Olympiad, one for each portal.

## How hard are the questions ?

Since students of all high school years can participate, the physics involved in solving the questions will be of an easy to medium level of difficulty. Extra challenges will be offered for those who want to go a little further. In general, students are expected to be able to solve the questions after reading the instructions, hints and searching the internet.

## Wrong answers

Wrong answers do not prevent the student from continuing to participate and winning the 2020 postcards collection as long as the student solves at least two questions(1st postcard: copper key), four questions (1st and 2nd postcards: copper and silver keys) or six questions (1st, 2nd and 3rd postcards: copper, silver and gold keys).