



university of  
 groningen

faculty of science  
 and engineering

kapteyn astronomical  
 institute

# The Kapteyn Mobile Planetarium

## Introduction

Thank you for your interest in the Kapteyn Mobile Planetarium of the University of Groningen! In the planetarium you can make an educational journey through the universe under the supervision of an astronomer. The planetarium visits schools, institutes and events throughout the Northern Netherlands.

In the central and southern provinces of the Netherlands, the day is supervised by the Nederlandse Onderzoekschool voor Astronomie (NOVA) with the same mobile planetarium, see for more information: [www.astronomie.nl/planetarium](http://www.astronomie.nl/planetarium).

## Educational program

Using a digital projection on an inflatable dome, we are going to explore the beautiful night sky with all its planets, stars and galaxies. Modern astronomical observation images and video material is used. Taking into account the different target audience considering primary schools, secondary schools and the general public, different presentations were developed. Accompanying ESERO teaching materials can be found at [www.ruimtevaartindeklas.nl/lespakketten](http://www.ruimtevaartindeklas.nl/lespakketten). Note: All the ESERO teaching material is in Dutch.

## Space requirements and capacity

The planetarium must be placed indoors in a quiet space of at least 7x7 meters and 3 meters high, with a power point within 20 meters. For example, it is ideal to arrange a gym or playroom. The capacity of the mobile planetarium is limited. At the same time, a maximum of 25 adults or 30 children accompanied by a teacher can attend a presentation inside the inflatable dome.

## Program

If preferred, you can put together a suitable program for the day yourself. Take into account that during one day about six performances can be given. The possible start time of the first presentation depends on your location. Presentations for the primary school (group 1-4, age 4-8) take 20-30 minutes. Presentations for primary school (group 5-8, age 8-12), secondary schools and general public take 30-45 minutes. In any case it is important to schedule 10 minutes of changeover time between the presentations.

## Reservations

Primary schools can book the planetarium for € 435 per day including VAT. A rate of € 490 per day including VAT applies to secondary education. The planetarium is also available for events outside of education. This price is on request.

Online bookings can be made on [www.rug.nl/research/kapteyn/planetarium/boek-het-planetarium](http://www.rug.nl/research/kapteyn/planetarium/boek-het-planetarium). For more information you can mail to [planetarium@astro.rug.nl](mailto:planetarium@astro.rug.nl) or go to [www.rug.nl/planetarium](http://www.rug.nl/planetarium).