

Baylab workshop “Heart Mechanics” agenda

On arrival please drop your students off at our front entrance. This can be found opposite Pepsico and their carpark, address 400 South Oak Way, Green Park, RG26AD. A member of the Baylab team will be in reception to greet you.

On occasion, schools/colleges/youth groups ask their members/students to meet at Bayer. If this is the case please inform a member of the Baylab team on baylabinfo@bayer.com so we are aware and can staff this accordingly.

If there are any problems on the day please contact Emma Schierbaum, Baylab Manager, on +44 118 206 3284 or 07393759447.

For your workshop we do run to a fairly tight schedule so we politely ask you aim to arrive at the following times for a prompt start if possible.

10:00–10:15 Arrival

10:15am Lab – Blood sample making and circulatory system

11:15am Break

11:30–13:00 Lab – Heart Anatomy and Heart Health

13:00–13:30 Lunch

13:30 - Depart

Please note these times are a rough guide and exact timings on the day may vary dependent on the needs and ability of the group. The Baylab team will always endeavour to ensure we can remain on schedule for a prompt departure. For further information please refer to our terms and conditions.

Heart Mechanics workshop *warning*

Within the workshop we do talk to the students about their blood, if you know of students who are particularly sensitive and squeamish on this topic we ask you to use your judgement on whether it's suitable for them to attend.

Additional student requirements

This workshop does require some physical activities such as moving from room to room. If you have students with health or mobility issues please make us aware in advance so we can accommodate your visit.

Parking

Coaches

There is limited Coach parking on Green Park. Should your coach stay may we suggest parking on Longwater Avenue or at the Madejski Stadium. Should the coach company wish to park at the Madejski, this does require prior permission from the stadium itself. Please contact your coach company if this is of concern.

Minibuses

There are limited spaces for minibuses in our visitors car park to the right of the main entrance. Should these be full you are allowed to use one of the disabled bays if available. We kindly ask that you let Reception know if this is the case on arrival.

Lunch and refreshments

Bayer do not provide lunch for the students. Please make sure all students bring a lunch with them

Workshop Summary

Summary

- Designed for students between the ages of 7 and 13 years old
- Lasts around 3 hours
- The maximum group size is 24
- Link to the National Curriculum:

Nutrition

Circulation System

Cells

Gas Exchange

Healthy Lifestyles

- *Baylab Advantage:*

Students can interact with medical diagnosis/research equipment as well as making their own proportionately anatomically accurate fake blood to take home.

Method

- Students delve into the components of blood and their roles, why we need the circulatory system and how each component works together to make a whole.
- Learning about the heart in detail, its anatomy, own road system and problems.
- Exploring what happens when things break down, the causes and preventions, students will consider the importance of exercise and healthy eating in disease prevention.
- (Secondary) Become the doctor, meeting patients and deciding who is most at risk.

Outcome

This set of activities will not only serve to encourage students to learn more about their bodies but also promotes healthier lifestyles choices. They get to become their own “Heart Mechanics”, learning all about the heart and how to keep it healthy, and what can happen if things do go wrong from a medical perspective.