

EPSRC CDT at 'Science in the Park'

PHOTO ALBUM



The University of
Nottingham

UNIVERSITY OF NOTTINGHAM • CHINA • AMSTERDAM

What Are They?

Ointments and creams are mixtures of oil, water and other ingredients. Ointments have more oil than creams—this means they work really well on the skin.



Creams and Ointments They For?

EPSRC

Engineering and Physical Sciences Research Council

How Are They Made?

In the past, pharmacists made lots of the medicines given out in pharmacies. Now, most ointments and creams are made in factories. The pharmacist checks that what the patient is given is safe, will do the job, and is just what the doctor ordered!



EPSRC

EDT in Advanced Therapeutics and Nanomedicines

Making Medicines into Tablets

Step 1: Fill up with powder Step 2: Press punches Step 3: Lift up punches Step 4: Tablet

Powder contains: medicine, colouring and other ingredients that can be compressed or made a tablet special!



Did you know that tablets can have different shapes, sizes and colours? We will show you!



















































The **lungs** allow you to breathe, and by doing so allow oxygen into the blood. Think of a cough that's your lungs.

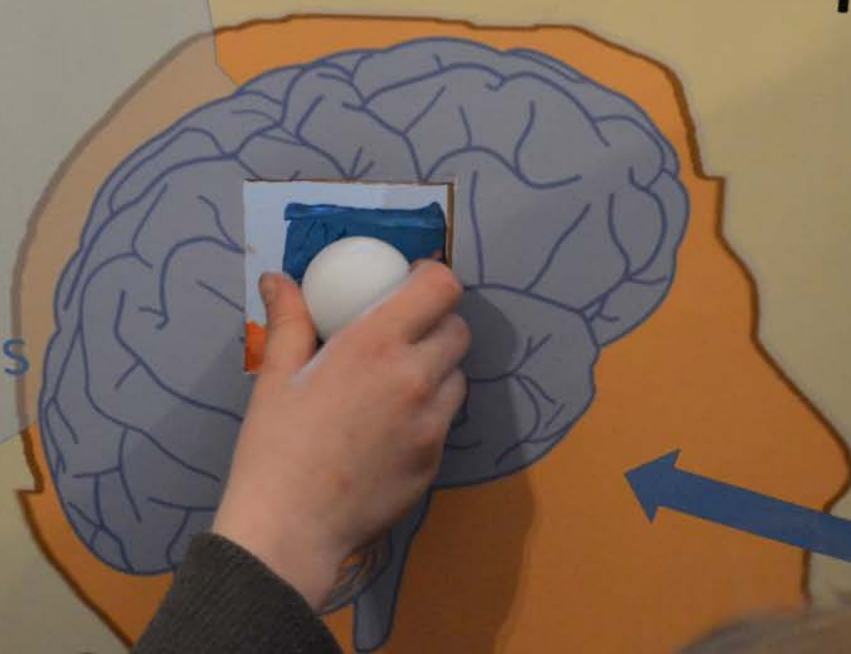
The **heart** pumps blood around the body to provide nutrients and oxygen. When you're scared or anxious that's your heart that is beating faster!

PSE
Engineering and
Research Centre



The **brain**
controls your
nervous system,
which sends
messages to the
body.

Think of a
headache, that's
your brain!



roughly a 100 times
a strand of

They can have
them, and will
the drug to th



















What Are They?

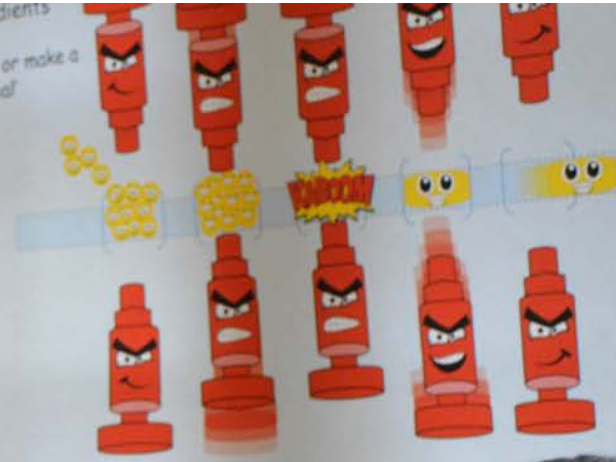
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Creams and Ointments

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In the past, pharmacists made lots of the medicines given out in pharmacies. Now, most ointments and creams are made in factories. The pharmacist checks that what the patient is given is safe, will do the job, and is just what the doctor ordered!

other ingredients that can be compressed or make a tablet 'special'



Did you know... can have sizes



Round

For a medicine with small parts...
me...
You























nervous system,
which sends
messages to the
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Think of a
headache, that's
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The University of
Nottingham

UNITED KINGDOM CHINA MALAYSIA

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Creams and Ointments

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CD1 in Advanced Manufacturing and Nanomedicines

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