

Important Safety Advice

Safety Advice for Supervising Adults: This project is safe to do, but you must follow the instructions as specified. Because children's abilities vary so much, even within age groups, supervising adults should exercise discretion as to whether this project is suitable for children in their care. The supervising adult should discuss the warnings and safety information with children before commencing the activities, and observe the activities at all times. The activity in this kit should only be completed with the materials specified and used as instructed. Read and follow these instructions, the safety rules and first aid information. Keep them and our address for reference.

Keep Small Children and animals away from the components at all times. Carefully put all equipment away when not in use and store out of the reach of small children and babies.

Batteries: Do not insert batteries into the battery holder/s / box/es until the model is complete, or where instructed to do so. Slide the switch to the off position before inserting batteries. 2 x 1.5v AA batteries are required. Do not use rechargeable batteries. Never try the activities with different batteries to those recommended. Never mix old and new batteries. Do not try to recharge non-rechargeable batteries. For use with DC only. Use only the batteries specified, and insert these with the polarity as shown in the battery box (the spring in the battery compartment is for the negative (-) terminal of the battery). Do not short-circuit the supply terminals. Remove and carefully dispose of exhausted batteries.

Mains Electricity: Never connect any of the components in this kit to mains electricity. Children should be instructed about the dangers of mains electricity.

The Battery Box: To open the battery box, first remove the security screw in the lid, then slide open the lid. Connect only to the motor supplied. Never cross or hold bare wires when the batteries are connected as heat can be generated that may cause injury, fire, or burning. Remove batteries from the battery box when not in use.

Keep small children and animals away from the components at all times. Carefully put away all equipment when the kit is not in use, and store out of the reach of small children. Never leave electrical circuits unattended, even if they don't seem to be working.

WARNING



This kit is for use by children aged 8 years and over.

This kit is not suitable for children under 36 months due to small parts that could cause a choking hazard. Adult supervision is required at all times. Contains functional sharp points that could cause injury.

TECHNOKIT

- Build & Play
- Easy to Assemble
- No Glue, No Mess

build an *electric* dragster

Construction Guide



● Vrrroom... Vrrroom... Vrrroooooooooom!

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Designed and manufactured by:
Interplay UK Ltd Unit D, Meter House,
Fieldhouse Lane, Marlow, Bucks SL7 1LW
Please retain our address for future reference.
Made in China



Technokits™ Is a trademark of
Interplay UK Ltd

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Building Your Dragster

BEFORE YOU BEGIN

Follow the instructions on the reverse of this sheet to construct your 'Dragster'

Before you begin construction, look carefully at the parts list and try to recognise the name, and understand the purpose of each part in the kit.

WORKING / CONSTRUCTION AREA

Construction should ideally take place on a smooth, flat surface that is protected by used newspapers or similar. Always ensure that the area of construction will not be disturbed.

PROBLEMS?

If you become 'stuck' or are unsure of what to do next, ask an adult for assistance. Always look very carefully at the constructional illustrations before joining parts. Most parts within Technokits can however be easily taken apart, should a mistake be made.

When you have completed Construction

TESTING THE MODEL

Provided that you follow the construction directions accurately, Technokits normally function correctly first time, however, here are some helpful tips in case your model should fail to work correctly:

The motor does not run when the Dragster is switched on!

Check that the batteries are in good condition
Ensure that the battery box is switched on
Ensure that the wires are firmly connected to the motor terminals.

Motor runs but Dragster does not move!

Check that the rubber band is on both pulleys
Check that the wheels rotate freely.

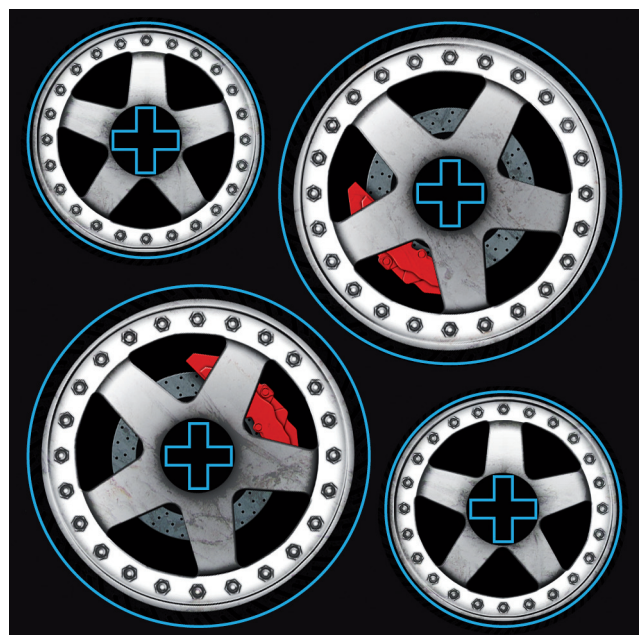
Customising your Dragster

Most of the panels which make up your Dragster can be fitted the other way round, so that the Dragster is white on the outside, allowing you to paint it, if you want to.

If you decide to change to a white Dragster, please note that this will mean that the motor has to be located on the other side of the Dragster, and it will now drive in reverse!

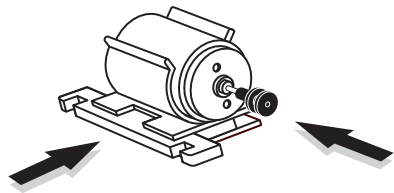
To make the Dragster go forwards properly, you will need to fit the elastic band over the pulleys in a figure '8'.

Cut out these wheel rims (following the blue lines) and stick them onto your foam wheels.



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1

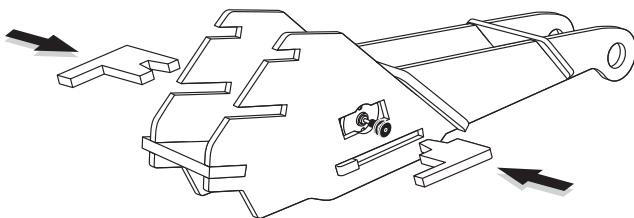


Carefully separate the components. The slots should slide into place without excessive force. If the fit between two pieces seems too tight, check to make certain that you have not damaged either of them.

Push the drive pulley onto the shaft of the motor, then locate the motor into the motor mount, taking care to ensure that the 'bump' on the mount locates into the slot on the rear of the motor casing.

Push the rear motor mount into the slot in the motor mounting as shown.

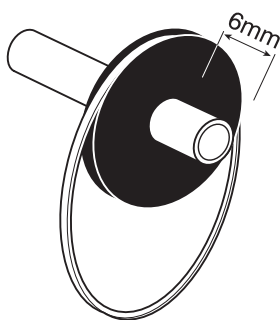
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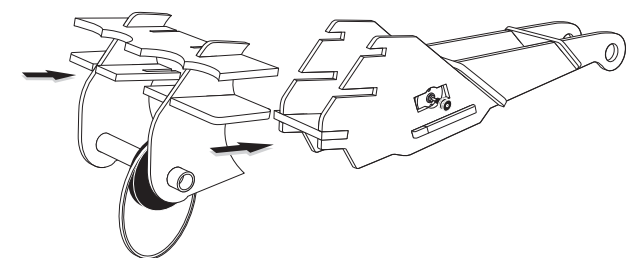
Slot the front crossmember and rear motor mount into the main body sides, then lock the motor in place by inserting the middle crossmember and the two front motor mounts. The battery floor can then be inserted as shown into the rear of the Dragster.

3

Push the foam insert over the spigot on a universal pulley, then snap the other half of the pulley into place. Slide the universal pulley assembly onto the rear axle (it is a tight fit). There should be about 6mm (3 thicknesses of card) of axle sticking out from the pulley. Put the rubber band over the pulley, in preparation for the next step.



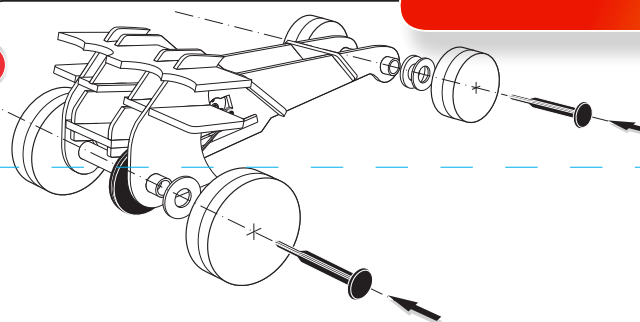
4



Fit the upper slot in each of the rear body sides into the outer slots on the upper rear wing, then fit the central slot of each lower rear wing into the remaining slot in each rear body side. The rear axle can now be threaded through the holes in the rear body sides, with the universal pulley to the right hand side. The whole assembly can then be slotted into the 2 slots on each of the main body sides. Stretch the rubber band so that it fits over the universal pulley and the drive pulley.

Construction Guide

5

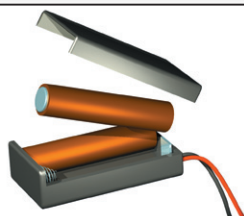


Push a stub axle through the hole in the centre of a foam rear wheel, then thread a plastic washer onto the end of the stub axle, before pushing this end into the hole in the rear axle. Repeat for the opposite side of the rear axle.

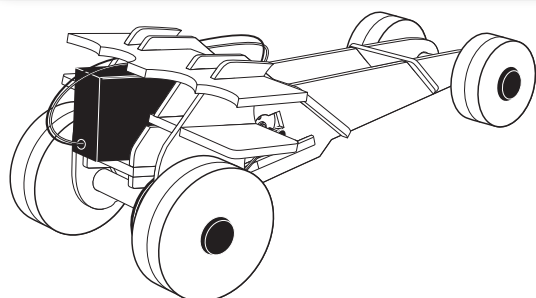
Push a stub axle through the hole in the centre of a foam front wheel, then thread a plastic washer and a cardboard washer onto the end of the stub axle, before pushing this end into the hole in the front axle. Thread the front axle through the two holes in the front of the main body sides, then fit the other front wheel onto the axle using the last stub axle, with the plastic and cardboard washer.

6

Ensure that the switch on the battery box is in the off position and insert 2 x AA batteries (as shown).



7



Plug the battery box onto the motor, making sure that the terminals align properly.

Parts List

- Lower rear wing x 2
- Front cross-member
- Upper rear wing
- Battery floor
- Main body side x 2
- Middle crossmember
- Rear motor mount
- Front R motor mount
- Front L motor mount
- Rear wheel x 2
- Front wheel x 2
- Drive pulley x 1
- Motor x 1
- Front axle x 1
- Rear axle x 1
- Stub axle x 4
- Motor mount x 1
- Battery box x 1
- Washer x 2
- Universal pulley x 1 pair
- Plastic washer x 4
- Foam insert x 1
- Rubber band x 1