# Science Advent Calender



Educational experiments for the holiday season



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### SAFETY INFORMATION



## WARNING!

WARNING! Not suitable for children under 3 years. Choking hazard — small parts and small balls may be swallowed or inhaled. WARNING! This kit contains functional sharp edges or points. Do not injure yourself! Keep packaging and instructions as they contain important information.

- → Read the instructions before use, follow them and keep them for reference.
- $\rightarrow$  Do not allow chemicals or household substances (e.g. baking powder, household vinegar, lemon juice, etc.) to come into contact with any part of the body, particularly the mouth and eves.
- → Keep small children (under 8 years old) and animals away from experiments.
- → Store advent calendar, chemicals, and additional materials out of reach of young children under 8 years of age.
- → Work slowly and carefully when examining household items.
- → Wash hands after completing the experiments or if they come into contact with the household materials.

- → Clean and dry all experimental equipment after use and store them correctly.
- → Do not use any equipment that has not been supplied with the set or recommended in the instructions for use.
- → Do not eat or drink in the experimental area.
- → Do not replace foodstuffs in original container. Dispose of immediately, as they are no longer suitable for consumption. Refer to the disposal instructions in each of the experiments.
- → Store any equipment supplied with the calendar in its appropriate box, as it may be needed for future experiments.

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Photos: Jaimie Duplass (adhesive tape). Additional photo credits in the respective boxes.

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## **Dear Parents and Supervising Adults**

Children want to explore, understand, and create new things.

They want to try things and do it by themselves. They want to gain knowledge! They can do all of this with Thames & Kosmos experiment kits.

With every single experiment, they grow smarter and more knowledgeable.

Here's how your Science Advent Calendar works:

In each of the colorful boxes, you will find the materials needed to conduct an experiment. The instructions for the experiments are printed inside of the boxes, and each box covers a different topic.

Some additional household materials (e.g. household vinegar, lemon juice, etc.) are required. They are listed in the **You will need** section in *italics*. Provide your child with the additional materials before they begin the experiment.

Certain experiments have QR codes that lead to additional content. They can be scanned with a smartphone or tablet with Internet access.

All of the experiments described in your advent calendar can be performed safely, as long as you follow the advice and instructions.

As the supervising adult, you should discuss the warnings, safety information, and the possible hazards with the child or children before starting the experiments. Particular attention should be paid to the safe handling of chemicals and chemical solutions. Please keep this safety information handy at all times.

Only carry out those experiments which are listed in the instructions.

Emphasize to your child the importance of following all instructions and warnings, and the importance of

carrying out only those experiments that are described in this manual.

Science Advent Calendar

This advent calendar is only suitable for children over 8 years of age. Because children's abilities vary so much, even within age groups, as the supervising adult, you should review the experiments and carefully select those experiments that are appropriate and safe for your child. Supervise your child during the experiment with the hair dryer. The instructions enable you to assess any experiment to establish its suitability for a particular child.

The area surrounding the experiment should be kept clear of any obstructions and away from the storage of food. It should be well lit, well ventilated, and close to a water supply. A solid table should be provided. Keep paper towels nearby in case of spills. Wear old clothing that can be disposed of should it get stained. The work area should be cleaned immediately after carrying out the activity.

Help your child to gather, or provide them with, the additional materials required. Most of these will be available in your household, but some items may first have to be obtained from the supermarket or other store. We recommend that you have all the materials ready before you start the experiment so that you don't have to interrupt the experiment later to gather something.

We hope you and your child have a lot of fun experimenting with your Science Advent Calendar!

Our customer service team will be glad to help you!