

FIRST AID:

- In case of eye contact: wash out eye with plenty of water,holding eye open if necessary. Seek immediate medical advice.
- If swallowed: wash out mouth with water,drink some fresh water.
- Do not induce vomiting. Seek immediate medical advice.
- In case of inhalation: remove person to fresh air.
- In case of skin contact and burns: wash affected area with plenty of water for at least 10 minutes.
- In case of doubt,seek medical advice without delay. Take the chemical and its container with you. In case of injury always seek medical advice.

In case of Emergency, please contact:  
- Poisons Information Centre (AU) 131 126  
- National Poisons Centre (NZ) 0800 764 766

Read and follow these instructions, the safety rules and the first aid information, and keep them for reference.

- The incorrect use of chemicals can cause injury and damage to health. Only carry out those experiments which are listed in the instructions.

- This experimental set is for use only by children over 8 years.





- Because children’s abilities vary so much, even within age groups, supervising adults should exercise discretion as to which experiments are suitable and safe for them. The instructions should enable supervisors to assess any experiment to establish its suitability for a particular child.


- The supervising adult should discuss the warnings and safety information with the child or children before commencing the experiments. Particular attention should be paid to the safe handling of acids, alkalis and flammable liquids.
- The area surrounding the experiment should be kept clear of any obstructions and away from the storage of food. It should be well lit and ventilated and close to a water supply. A solid table with a heat resistant top should be provided.

Read these instructions before use, follow them and keep them for reference.

- Keep young children, animals and those not wearing eye protection away from the experimental area.
- Always wear eye protection.
- Store this experimental set out of reach of children under 8 years of age.
- Clean all equipment after use.
- Make sure that all containers are fully closed and properly stored after use.
- Ensure that all empty containers are disposed of properly.
- Wash hands after carrying out experiments.
- Do not use any equipment which 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 allow chemicals to come into contact with the eyes or mouth.
- Do not replace foodstuffs in original container. Dispose of immediately.

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LIST OF CHEMICAL MATERIALS		
Number	Name	Dosage
1	WHITE CRYSTAL Causes eye irritation. May cause damage to organs through prolonged or repeated exposure. Do not breathe dust/fume. Wash all exposed external body areas thoroughly after handling. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention if you feel unwell. 	Net Weight: 100g
2	GLUE Combustible liquid. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use only outdoors or in a well-ventilated area. Avoid breathing mistvapours/spray. Wear protective gloves, protective clothing, eye protection and face protection. Wash all exposed external body areas thoroughly after handling. In case of fire: Use water spray/fog to extinguish. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing Call a POISON CENTER/doctor' physician first aider/if you feel unwell. If eye irritation persists: Get medical advice/attention. IF ON SKIN: Wash with plenty of water and soap. IF INHALED: Remove person to fresh air and keep comfortable for breathing. If skin iritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.  	Net Weight: 50g
3	GRIT STEP 1 Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER/doctor/physician/first aider/if you feel unwell. If eye irritation persists: Get medical advice/attention. IF ON SKIN: Wash with plenty of water and soap. IF INHALED: Remove person to fresh air and keep comfortable for breathing. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. 	Net Weight: 50g

LIST OF CHEMICAL MATERIALS		
Number	Name	Dosage
4	GRIT STEP 2 Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER/doctor/physician/first aider/if you feel unwell. If eye irritation persists: Get medical advice/attention. IF ON SKIN: Wash with plenty of water and soap. IF INHALED: Remove person to fresh air and keep comfortable for breathing. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. 	Net Weight: 50g
5	GEM BOOSTER	9 Blocks

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**WARNING:** NOT SUITABLE FOR CHILDREN UNDER 8 YEARS. FOR USE UNDER ADULT SUPERVISION. CONTAINS SOME CHEMICALS WHICH PRESENT A SAFETY HAZARD. READ THE INSTRUCTIONS BEFORE USE, FOLLOW THEM, AND KEEP THEM FOR REFERENCE. DO NOT ALLOW CHEMICALS TO COME INTO CONTACT WITH ANY PART OF THE BODY, PARTICULARLY MOUTH AND EYES. KEEP SMALL CHILDREN AND ANIMALS AWAY FROM EXPERIMENTS. KEEP THE EXPERIMENTAL SET OUT OF THE REACH OF CHILDREN UNDER 8 YEARS OLD.

**WARNING:** THIS SET CONTAINS CHEMICALS THAT MAY BE HARMFUL IF MISUSED. READ CAUTIONS ON INDIVIDUAL CONTAINERS CAREFULLY. NOT TO BE USED BY CHILDREN EXCEPT UNDER ADULT SUPERVISION.

**WARNING:** FOR SAFETY REASONS, REMOVE THE TAGS, LABELS AND PLASTIC FASTENERS BEFORE GIVING THIS TOY TO YOUR CHILD.

**WARNING:** NOT SUITABLE FOR CHILDREN UNDER 3 YEARS. MISUSE OF TRANSFORMER OR POWER SUPPLY CAN CAUSE ELECTRICAL SHOCK.

**WARNING:** ONLY USE THE DETACHABLE SUPPLY UNIT  
<INPUT: DC - 5V/2A PORT: USB - C>

**WARNING:** POWER SUPPLY CONNECTION IS ONLY TO BE HANDLED BY AN ADULT.

**WARNING:** THIS TOY PRODUCES FLASHES THAT MAY TRIGGER EPILEPSY IN SENSITISED INDIVIDUALS.

PLEASE KEEP THE PACKAGING FOR FUTURE REFERENCE.  
PRODUCT MAY VARY SLIGHTLY FROM IMAGE SHOWN.

THE TOY SHALL ONLY BE USED WITH A TRANSFORMER  
FOR TOYS OR A POWER SUPPLY FOR TOYS.  
THE TRANSFORMER OR POWER SUPPLY IS NOT A TOY.

K:43-540-150 | T:71-011-431

#### CUSTOMER SERVICE:

**KMART AU:** 1800 124 125  
**KMART NZ:** 0800 945 995  
**TARGET AU:** 1300 753 567



# ROCK TUMBLER



**8+**  
years

**STEAM**  
EDUCATIONAL PRODUCT

**CAUTION:** ADULT ASSEMBLY  
AND SUPERVISION REQUIRED.

**WARNING:** CHOKING HAZARD - SMALL PARTS, NOT  
SUITABLE FOR CHILDREN UNDER 3 YEARS.

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01

## PARTS LIST



Rock tumbler x 1



Rotating bucket x 1



Acoustic enclosure x 1



Acoustic enclosure base x 1



USB-C cable x 1

(Only for the use of this product)



Measuring cup (50ml) x 1



Storage bag x 2

02

Jewellery  
accessories kit x 1

White crystal x 1



150 grit x 1




600 grit x 1



Glue x 1



The toy is not suitable for children under three years old;

The toy can only be connected to devices with this symbol: 

The toy must use the recommended transformer: Output=5V2A, USB - C;

Transformers are not toys;

The toy cannot be connected to more than the recommended number of power sources;

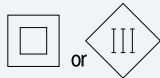
The toy should be disconnected from the transformer before cleaning;

Periodically check the transformer or battery charger wires, plugs, housings and other parts for damage, and if damage is found, stop using it until it is restored.

Ornamental fitting bags are not toys. They're just accessories.

#### WARNING:

This toy is only to be connected to equipment bearing either of the following symbols:



The transformer, power supply or battery charger used with the electric toy shall be regularly examined for damage to the supply cord, plug, enclosure or other parts, and in the event of damage, it shall not be used until the damage has been repaired.

Instruction sheet must be retained as it contains important safety information.

### Stage 1: Shaping & smoothing

Step 1:

Ensure rock tumbler is disconnected from all power sources and switched off. Remove the blue rotating bucket from the stone grinder. Unscrew the outer lid marked with "unscrew" sign from the rotating bucket and then remove the inner lid.



Step 2:

Pour all of the 150 grit into the rotating bucket. Measure 20ml of clean water into a measuring from and pour it in to the rotating bucket. Mix together.



Step 3:

Measure 40ml of the white crystals. Pour white crystals and your selected rocks (not included) into the rotating bucket.



(Note: The rocks shall not exceed the height of the scale mark in the bucket.)

4-5 rocks, less than 80g in total for better performance.

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Step 4:  
Place the inner lid back onto the opening of the rotating bucket and screw on the outer lid tightly - ensuring no water can spill out.



Step 5:  
Carefully fit the rotating bucket on the rock tumbler and plug in the machine. Set the desired time for rock-tumbling (1 day minimum is recommended) and then turn on the switch to start the process.



Step 6:  
Once the time is up, turn off the switch, remove stones from the rotating bucket carefully and clean them. Wash the rotating bucket to remove excess residue.



**Note:** If the machine is turned off halfway, the remaining time needs to be recalculated for proper results.

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## Stage 2: Finishing and polishing

Step 1:  
Pour entirety of 600 grit into the rotating bucket. Measure 20ml of clean water in a measuring cup and pour into the rotating bucket. Mix thoroughly.



Step 2:  
Measure 20ml of the white crystals in a measuring cup. Pour the white crystals, along with the stones from Stage 1, into the rotating bucket.



Step 3:  
Place the inner lid back onto the opening of the rotating bucket and screw on the outer lid tightly - ensuring no water can spill out.





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**Step 4:**  
Carefully fit the rotating bucket on the rock tumbler and plug in the machine. Set the desired time for rock-tumbling (1 day minimum is recommended) and then turn on the switch to start the process.

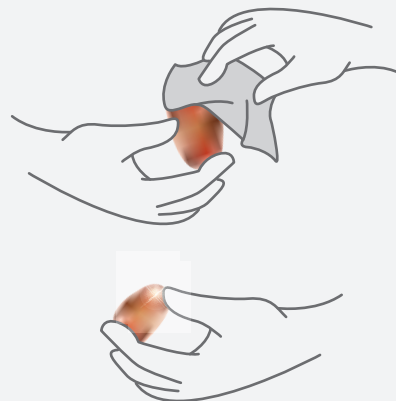


**Step 5:**  
Once the process is complete, turn the machine off, remove rotating bucket from the stone grinder and take out and wash the stones. Check whether the rocks are round and smooth. If so, it indicates that the rock tumbling has been completed; if not, repeat Stage 2 and check the rocks every day until they become round and smooth.



Wash the rotating bucket. Once all rocks have been removed.

**Note:** If the machine is turned off halfway, the remaining time needs to be recalculated. For smoother and shinier stones, apply a small amount of hand cream or similar to the surface of the stones.



## HOW TO HANDMAKE JEWELLERY

08

### Jewellery Accessories Kit

Ring base x1	Earring clip x2	Bracelet string x1
Necklace string x1	Glue x1	Stone connectors x6



### WARNING

1. The glue is sticky. Avoid contact with skin during preparation. Do not touch eyes.
2. If glue comes in to contact with the skin, use luke-warm water to gently clean the area.
3. The glue forms a bond in a matter of seconds.

## Handmade Necklace Tutorial

**Step 1:**  
Choose one of your cleaned stones and a stone connector. Carefully apply glue onto the connector, following quickly by sticking the flat side of the stone to it.



**Step 2:**  
Leave the pendant in a cool, dry place to dry for at least 1 hour.



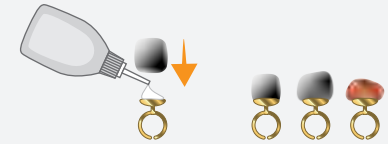
**Step 3:**  
Once pendant is completely dry, thread the bottom of a necklace string through the top of the stone holder. Tie together to avoid the stone falling.



**Choose to wear the necklace yourself or give it as a sentimental gift to someone!**

## Handmade Bracelet Tutorial

**Step 1:**  
Prepare 3 of your cleaned stones and 3 stone connectors. Carefully apply glue onto the connectors one by one, following quickly by sticking the stones to them.



**Step 2:**  
Leave the pendants to dry for at least 1 hour in a cool, dry place.

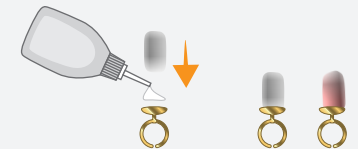


**Step 3:**  
Thread the pendants onto a bracelet string, and wear your new charm bracelet!

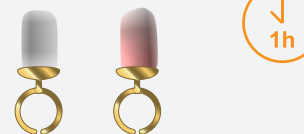


## Handmade Earring Tutorial

**Step 1:**  
Prepare 2 of your cleaned stones and 2 stone-holding connectors. Carefully apply glue onto the connectors one by one, following quickly by sticking the smooth side of the stones to them.



**Step 2:**  
Leave the pendants to dry for at least 1 hour in a cool, dry place.



**Step 3:**  
Open one earring clip and thread one pendant onto it. Repeat this process for the other earring clip.

