



# **FUN PALACE 2018 Chladni**

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# FUN PALACE 2018 Chladni

Make invisible sound waves reveal their hidden beauty with a barbeque plate and a sprinkle of sand.

## Activity Details

### Type

### Duration

### # Deliveries

### Duration

## Activity Criteria

## Learning Outcomes & Facilitator notes

- **Fun fact** - Ernst Florens Friedrich Chladni (30 November 1756 – 3 April 1827) was a German physicist and musician. He is sometimes referred to as the father of acoustics.

- **Interesting fact for a child/teenager** – An Odd Name: They're named for the German physicist Ernest Chladni who popularized them in the mid-1700s. His name is pronounced: kläd'nêz.

- **Interesting fact for an Adult** – Instruments made of wood, string, and metal move in complex and nonlinear ways; that's partly why the sounds they make are so rich.

- **Image** – image of Ernst Chladni on one search

[http://onsearch.slq.qld.gov.au/primo-explore/fulldisplay?docid=TN\\_bnf\\_soai\\_bnf\\_fr\\_gallica\\_ark\\_12148\\_btv1b8416446k&context=PC&vid=SLQ&lang=en\\_US&search\\_scope=SLQ\\_PCI\\_EBSCO&adaptor=primo\\_central\\_multiple\\_fe&tab=all&query=any,contains,Chladni&sortby=rank&facet=rtype,include,image&offset=0](http://onsearch.slq.qld.gov.au/primo-explore/fulldisplay?docid=TN_bnf_soai_bnf_fr_gallica_ark_12148_btv1b8416446k&context=PC&vid=SLQ&lang=en_US&search_scope=SLQ_PCI_EBSCO&adaptor=primo_central_multiple_fe&tab=all&query=any,contains,Chladni&sortby=rank&facet=rtype,include,image&offset=0)

## Session Plan

## Materials Req

## Equipment Req

**Files**

**Reflections Learnings**

**Gallery**