

～自然線上聯絡簿～

<自然課補充影片>

<六下>

Ch.1

扯鈴

<https://youtu.be/Zly8tyyYZPc?feature=shared&t=312>

腳踏車

<https://youtu.be/AAS0R82BwEE?feature=shared&t=147>

滑輪

<https://youtu.be/2Sijp9xzhHo?feature=shared&t=95>

槓桿原理

<https://www.youtube.com/watch?v=YIYEi0PgG1g>

https://youtu.be/Byk_PYkl0k4?feature=shared&t=406

投石機

https://www.youtube.com/watch?v=6OM_yEzedq4

阿吉米德

<https://www.youtube.com/watch?v=WKeoo9h-PGE>

棉花糖挑戰

https://www.youtube.com/watch?v=Fw7js_dVxfo

水獺

<https://www.youtube.com/watch?v=eZslWanm85s>

<https://www.youtube.com/watch?v=8NjyZG0v84k>

<https://www.youtube.com/watch?v=fjD5pmPlp9Y>

https://www.youtube.com/watch?v=QYIz_IMMyqU

海獺

<https://youtu.be/TzkcBy9M1X8?feature=shared&t=930>

聖誕節

<https://www.facebook.com/Funghikun/videos/%E8%81%96%E8%AA%95%E8%80%81%E4%BA%BA/1787630461473314/>

<六上>

Ch.4

電與磁的發現

電磁火車DIY

<https://www.youtube.com/watch?v=yBcdfHUh-80>

磁浮列車

<https://www.youtube.com/watch?v=oazhgOXj15E>

【自然系列-物理 | 電磁學01】(電與磁的發現) 御前科學對決

https://www.youtube.com/watch?v=Rlz9QB_aAsU&ab_channel=%E5%9D%87%E4%B8%80%E6%95%99%E8%82%B2%E5%B9%B3%E5%8F%B0JunyiAcademy

沙漠羅盤

<https://youtu.be/eUPahpq7XMg?feature=shared&t=61>

海爾貝克方程

https://www.youtube.com/watch?v=pSyG1OwzGjw&ab_channel=%E4%BD%91%E4%BE%86%E4%BA%86

地磁

https://www.youtube.com/watch?v=AJFF2Vkr3Do&list=PL7zP71Dtd2JFsdUb2HbD9v3aMfHDGqMun&index=9&ab_channel=%E5%9D%87%E4%B8%80%E6%95%99%E8%82%B2%E5%B9%B3%E5%8F%B0JunyiAcademy

https://www.youtube.com/watch?v=3L54LUUjbig&list=PL7zP71Dtd2JFsdUb2HbD9v3aMfHDGqMun&index=3&ab_channel=%E6%95%B8%E4%BD%8D%E5%85%A7%E5%AE%B9%E8%B3%87%E6%BA%90%E6%9C%8D%E5%8B%99%E8%A8%88%E7%95%AB

Ch.3

蝸牛

https://www.youtube.com/watch?v=ajOJcZZunvs&ab_channel=%E8%BE%B2%E6%A5%AD%E9%83%A8%E8%99%9B%E6%93%AC%E5%8D%9A%E7%89%A9%E9%A4%A8

細胞學說

<https://youtu.be/9mbuna6hsyk?feature=shared>

細胞&細胞核

<https://youtu.be/qFN3RQ9bUXA?feature=shared>

血液循環

<https://youtu.be/mO3BHmRn6pY?feature=shared&t=36>

<https://youtu.be/0684vKp3UCE?feature=shared&t=37>

神經系統

<https://youtu.be/MKKVheeilvQ?feature=shared&t=38>

呼吸作用

<https://youtu.be/OZIOI3raoc?feature=shared&t=40>

呼吸系統

<https://www.junyiacademy.org/junyi-science/science-juni/junyi-middle-school-biology/s4bhd-/v/F3WH0NNzirE>

林奈命名法

<https://youtu.be/nSvt99u3rOw?feature=shared&t=35>

肺臟

<https://youtu.be/XZFKI9slbIU?feature=shared&t=27>

鯨豚

https://www.youtube.com/watch?v=DliNAXydlj0&list=PL12UaAf_xzfqa2HaFks7ubluiTIATT1Dk&index=2

蛇

https://www.youtube.com/watch?v=aIreA0gLpdE&list=PL12UaAf_xzfqa2HaFks7ubluiTIATT1Dk&index=1

https://www.youtube.com/watch?v=-9TyDrBu34g&ab_channel=%E8%A8%B1%E4%BC%AF%26%E7%B0%A1%E8%8A%9D%E2%80%94%E5%80%89%E9%BC%A0%E4%BA%BA

鴿子

https://www.youtube.com/watch?v=pRrk5HyPEZ4&ab_channel=%E8%A8%B1%E4%BC%AF%26%E7%B0%A1%E8%8A%9D%E2%80%94%E5%80%89%E9%BC%A0%E4%BA%BA

柴犬

https://www.youtube.com/watch?v=QOZKJ08edeg&ab_channel=%E8%A8%B1%E4%BC%AF%26%E7%B0%A1%E8%8A%9D%E2%80%94%E5%80%89%E9%BC%A0%E4%BA%BA

蝸牛

https://www.youtube.com/watch?v=CwUFRbwPZbo&ab_channel=TheNatureRealm

蚯蚓

https://www.youtube.com/watch?v=0Texxu3p7I8&ab_channel=CarlBarrentine

章魚

https://www.youtube.com/watch?v=TFzpC_e44Tg&ab_channel=BBC

蛤

https://www.youtube.com/watch?v=_nEf6rMsC98&ab_channel=%E9%BB%83%E7%B6%AD%E6%95%8F

https://www.youtube.com/watch?v=yOI0hIqZdlk&ab_channel=%E5%8F%B0%E8%A6%96%E6%96%B0%E8%81%9ETTVNEWS

骨骼

<https://youtu.be/GvlzhDDZagU?feature=shared&t=986>

<https://youtu.be/GvlzhDDZagU?feature=shared&t=986>

飛行

<https://youtu.be/oW0PDQIKtHY?feature=shared&t=117>

<https://youtu.be/cdCxmGxppr4?feature=shared&t=123>

Ping Pong Tree Sponge

<https://www.youtube.com/watch?v=racXyXF71C4>

地震

https://www.youtube.com/watch?v=mUPYCDPZMP8&ab_channel=TVBSNEWS

https://www.youtube.com/watch?v=AHGdVBpi5g8&ab_channel=USTV%E9%9D%9E%E5%87%A1%E9%9B%BB%E8%A6%96

https://www.youtube.com/watch?v=NugZxe2yUJ8&ab_channel=%E8%83%A1%E5%AD%90Huzi

https://www.youtube.com/watch?v=Ah4dVCK_xfs&ab_channel=%E7%A7%91%E7%A7%91%E6%8A%B1%E6%8A%B1

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## 無殼蛋

[https://www.youtube.com/watch?v=K7maNVPtm8E&ab\\_channel=%E8%83%A1%E5%AD%90Huzi](https://www.youtube.com/watch?v=K7maNVPtm8E&ab_channel=%E8%83%A1%E5%AD%90Huzi)

## 蝶豆花飲品

[https://www.youtube.com/watch?v=JcqrI9Vvl\\_Q](https://www.youtube.com/watch?v=JcqrI9Vvl_Q)

## 石蕊試紙

<https://youtu.be/HNao9-HPbZU?feature=shared&t=23>

## 酸鹼分辨

<https://youtu.be/C5KdTVB6I3I?feature=shared&t=20>

<https://youtu.be/iMn1jCV637w?feature=shared&t=16>

## 水溶液

<https://www.youtube.com/watch?v=zbwObD8fWZI>

## 花粉症

<https://www.youtube.com/watch?v=sRWMXLCBNYw>

<https://www.youtube.com/watch?v=vY4PsmxOj4>

## 黑糖

<https://www.youtube.com/watch?v=ipLkctdZOC8>

## 汽水

<https://www.youtube.com/watch?v=sAngdMAWPqE>

## 曬鹽

<https://www.youtube.com/watch?v=FBSAeh9OA7g>

<https://www.youtube.com/watch?v=ETJsK-FAYno>

## 蒸餾

<https://www.youtube.com/watch?v=IE5WpfyzE4>

## 元素的定義

<https://youtu.be/YAgsPrNdK1Y?feature=shared&t=22>

聖嬰現象

<https://youtu.be/syvmhvmUy00?feature=shared&t=35>

臭氧層

[https://youtu.be/1qtk\\_JDCyzU?feature=shared&t=35](https://youtu.be/1qtk_JDCyzU?feature=shared&t=35)

溫室效應

<https://youtu.be/RzILUuJ-it8?feature=shared&t=35>

溫室氣體

<https://www.youtube.com/watch?v=KxTPTMbVGEU>

碳足跡

<https://www.youtube.com/watch?v=O49PY16RATs>

珊瑚白化

<https://www.youtube.com/watch?v=ILtPxGN733k>

永凍層釋放甲烷

<https://www.youtube.com/watch?v=zMNGZFQZXxc>

藤原效應

[https://www.youtube.com/watch?v=60JbfSjsaCk&ab\\_channel=%E5%BC%B5%E6%99%AF%E8%B6%85](https://www.youtube.com/watch?v=60JbfSjsaCk&ab_channel=%E5%BC%B5%E6%99%AF%E8%B6%85)

Super Cell

<https://youtu.be/cUVSW7r-2qc?feature=shared>

颱風

<https://youtu.be/di7CN1Qcahs?feature=shared&t=117>

颱風-魔羯

[https://www.youtube.com/watch?v=yCui-U\\_7UjE](https://www.youtube.com/watch?v=yCui-U_7UjE)

氣團

<https://www.youtube.com/watch?v=RJAKmFXhTu0>

鋒面雨

<https://youtu.be/my8TkJYgf1M?feature=shared&t=18>

氣象雲圖

[https://www.cwa.gov.tw/V8/C/W/OBS\\_Sat.html](https://www.cwa.gov.tw/V8/C/W/OBS_Sat.html)

比熱

[https://youtu.be/2iZdSIK\\_4NE?feature=shared&t=22](https://youtu.be/2iZdSIK_4NE?feature=shared&t=22)

洋流

<https://www.youtube.com/watch?v=hjcl9v3jlij0>

黑潮

<https://youtu.be/tWYaVGI0ji4?feature=shared&t=2>

<https://www.youtube.com/watch?v=JQXs-qfi-eQ>

雲霧製造

<https://www.youtube.com/watch?v=15fvxC2KRDC>

人造雨

<https://www.youtube.com/watch?v=dQz4phnTAMs>

<https://www.youtube.com/watch?v=832hE1ketmE>

雪

<https://www.youtube.com/watch?v=dMI4UDCATWo>

人造雪

[東京下9月雪?! 東奧要用人造雪抗暑](#)

[https://www.youtube.com/watch?v=4o4O\\_3D7GpE&ab\\_channel=%E7%B9%81%E6%98%9F%E8%82%B2%E6%88%90%E7%A7%91%E5%AD%B8%E5%AF%A6%E9%A9%97%E5%AE%A4](https://www.youtube.com/watch?v=4o4O_3D7GpE&ab_channel=%E7%B9%81%E6%98%9F%E8%82%B2%E6%88%90%E7%A7%91%E5%AD%B8%E5%AF%A6%E9%A9%97%E5%AE%A4)

冰雹

<https://www.youtube.com/watch?v=aTRj6IK3gfU>

<https://www.youtube.com/watch?v=Snh94-jaryg>

無尾熊

<https://youtu.be/DliNAXydlj0?feature=shared&t=115>

[https://www.youtube.com/watch?v=u7fPj3o\\_1HY](https://www.youtube.com/watch?v=u7fPj3o_1HY)

實驗室

<https://www.youtube.com/watch?v=09WpxuyfD2l>

<https://www.youtube.com/watch?v=xLqUq6JJWaE>

<https://www.youtube.com/watch?v=L6ziRwFgICM>

北極熊

<https://www.youtube.com/watch?v=0Pi0Pd4Cvvg>

<https://www.youtube.com/watch?v=9y3v17-BWB4>

電影

<https://www.youtube.com/watch?v=W40j1Y1QDaI>

<https://www.youtube.com/watch?v=59iD8WKyHyA>

霜害

[南投仁愛鄉霜害 茶農慘賠3億](#)

冰霰

[https://www.youtube.com/watch?v=O4es\\_uSSF-](https://www.youtube.com/watch?v=O4es_uSSF-)

