

PORT OF HAY POINT

COMMUNITY REFERENCE GROUP MEETING

CHAIR: NICOLAS FERTIN

9 MARCH 2022



1. Meeting Open
 1. Acknowledgement of Country
 2. Housekeeping
 3. Apologies
2. Disclosure of interests
3. Correspondence, questions and actions register
4. NQBP update
5. Trade update
6. Infrastructure update
7. Sustainability and environment update
8. Community update
9. General business
10. Next meeting
11. Meeting close

NQBP UPDATE
Nicolas Fertin
CEO

VISION

To be global leaders in sustainable facilitation of port trade.

OUR VALUES



Integrity



Respect



Excellence



Unity

MISSION

To manage safe and efficient ports that connect regional Queensland to the world by balancing the needs of iconic natural environments, communities, stakeholders and port users.

STRATEGIC THEMES



Planning for
Evolving &
Transitioning
Industries



Embrace
Existing &
New
Businesses



Collaborating
to Enhance
Reputation



Enhancing
Employee
Engagement
& Efficiency

Review of CRG disclosure of interests register completed in early 2022

CRG members should disclose if they:

- Are a member, partner, or an employee of NQBP
- Have some other specified interest relating to NQBP or their operations
- Have a financial or vested interest in a matter being considered by the CRG

- **Dec 2021 – Feb 2022** – NQBP reviewed organisational structure.
- **Feb 2022** – new structure introduced:
 - **Commercial** (replacing Trade & Marine Operations and expanded to incorporate Communications)
 - **Infrastructure** (replacing Infrastructure & Land Operations and expanded to incorporate Environment and Sustainability)
 - **Corporate Services** (replacing Legal, People and Governance and expanded to include Safety)
 - **(Unchanged) Chief Financial Officer** - *Finance, Procurement, Risk & Assurance, and Information*



NQBP TRADE UPDATE

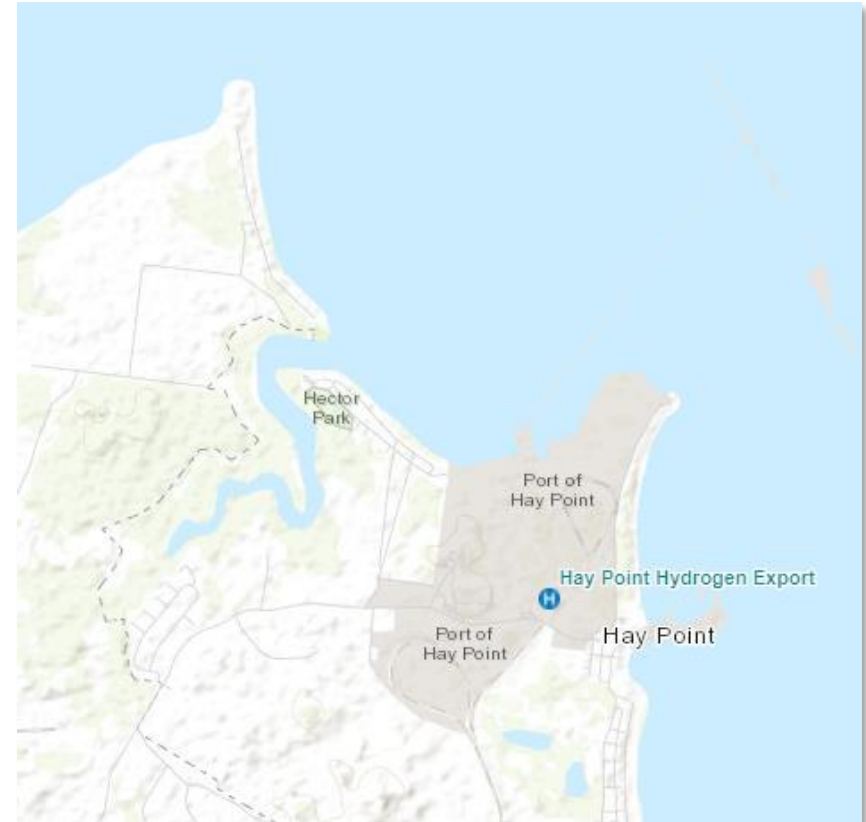
Ash Sinha

Acting General Manager Commercial

63.6Mt of coal exported from Port of Hay Point (financial year to date)

Proposed Port of Hay Point hydrogen trade

- **24 Feb 2022** – NQBP, DBI, Brookfield and ITOCHU Corporation announced Funding Agreement for feasibility studies associated with development of Dalrymple Bay Hydrogen Project.
- Funding demonstrates a commitment to progress the green hydrogen project.
- Funding to support feasibility studies – i.e. suitability of land, available technologies, terminal upgrades, economic viability and potential market size for green hydrogen products.
- Timeframe for studies – approx. 12 months.



The Hay Point Hydrogen Export project site.

Source: Renewable Hydrogen Projects map – Queensland Government.

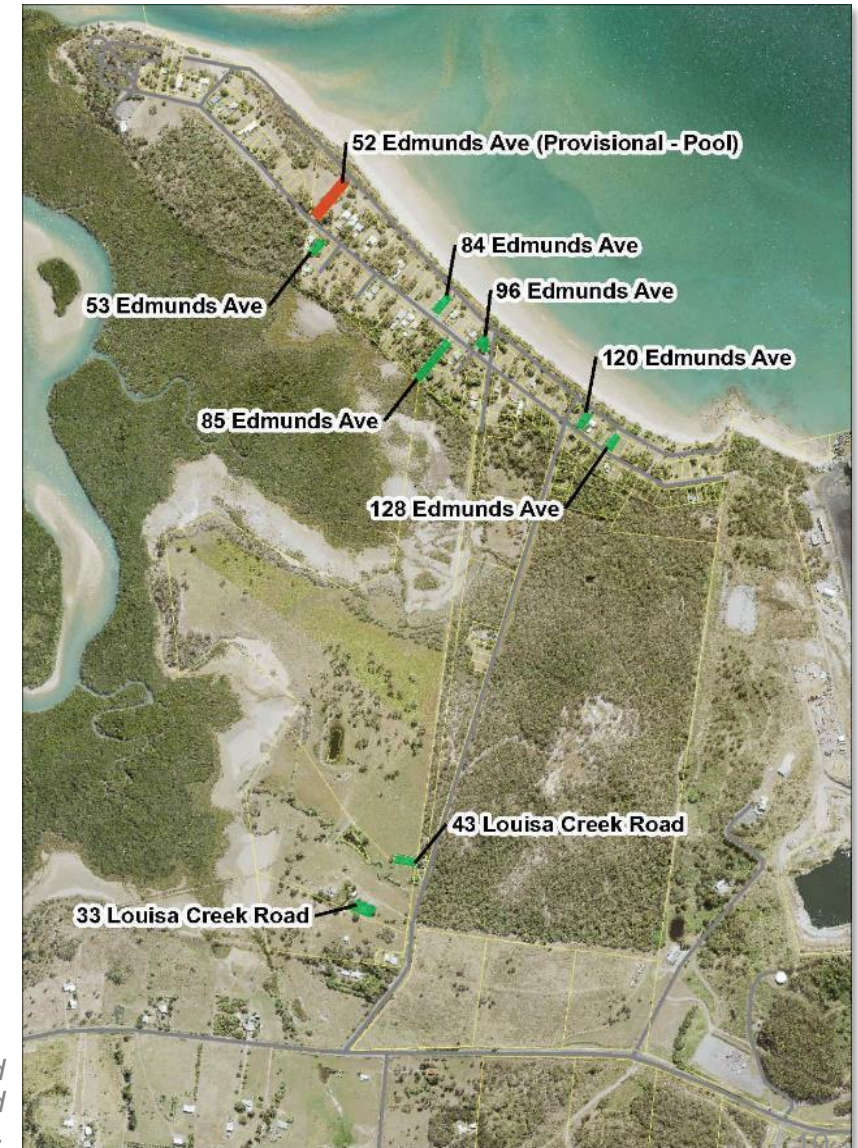
NQBP INFRASTRUCTURE UPDATE

Tim Lewis

General Manager Infrastructure

LOUISA CREEK PROPERTY DEMOLITION WORKS

- **W/E 18 March 2022** - Contract to be awarded and notice of works letter including estimated works schedule distributed to residents.
- **End of March** – Works to commence, weather permitting.
- Louisa Creek residents kept informed of works via letterbox drop, emails to CRG members, and CRG meetings.
- Potential for additional properties to be included in works; pending future inspections and/or tenancies.



Map of NQBP-owned properties to be demolished under the works program.

- Project is now complete; minor works being conducted as part of commissioning.
- Works included demolition of aged concrete water tank beside building, removal of external sheeting (asbestos material) and some internal concrete block walls.
- Public lookout area - repainted and new flooring installed. LED lighting also installed in public toilets.
- Vessel Traffic Services and pilots progressively transitioning back to building, with full occupancy expected by end of April.
- **68 local jobs supported**



A new meeting room in the refurbished Hay Point Administration Building (top right) and public lookout area (right).

NQBP SUSTAINABILITY AND ENVIRONMENT UPDATE

Kevin Kane

Director Environment

JCU scholarships/internships

- Three JCU interns scheduled for 2022.
- Two undergraduate scholarships awarded, to be announced soon.
- One PHD scholarship awarded, however candidate was unable to accept. Will re-advertise soon.

Biodiversity assessment of port infrastructure

- Enables understanding of port infrastructure value – i.e. how artificial habitats add to ecosystems and compare with natural local habitats.
- Preliminary data has revealed interesting insights into fish behaviour, and oyster/coral habitats.



2021 JCU intern Florence Sefton with NQBP Senior Environmental Advisor Nicki Stokes at the Port of Mackay.

COMMUNITY UPDATE
Lorelei van Dalen
Community & Stakeholder Advisor

Funding for Hay Point Hydrogen project (24-25 Feb 2022):

Feasibility funding win for Dalrymple Bay Hydrogen Project

February 25, 2022



Image: Shutterstock

Dalrymple Bay Infrastructure Limited (DBI) has announced that a funding agreement has been reached with North Queensland Bulk Ports Corporation, Brookfield Infrastructure Group and international trading company ITOCHU Corporation to complete detailed feasibility studies associated with the development of the Dalrymple Bay Hydrogen Project.

The Agreement follows the establishment of a Memorandum of Understanding between the parties in August 2021.

Related article: [Full steam ahead for Seac's Green Hydrogen Project](#)

The Dalrymple Bay Terminal (DBT) at Hay Point is known globally for the key role it plays in exporting to 25 countries and supporting the global steel supply chain. DBT is ideally placed as the location for a possible green hydrogen facility due to its deep-water port, access to the established Mackay industrial zone, availability of land and water, and position within one of Queensland's Renewable Energy Zones.

The feasibility studies are aimed at understanding the potential for development of a regional hydrogen hub within the vicinity of existing terminal infrastructure. The studies will seek to quantify the green hydrogen production capability of the region surrounding DBT, and the scope and scale of upgrades required to the existing terminal infrastructure in order to handle both its own and third parties' green energy exports.

DBI CEO Anthony Timbrell said, "Dalrymple Bay Terminal will continue to play an essential role in the global steel sector. However, DBI has commenced the development of an overarching transition strategy and these feasibility studies are just one step that DBI is taking in its efforts to diversify the business. By engaging with key stakeholders in this early stage of the process we can ensure DBI continues to provide essential infrastructure while supporting a global transition to lower emissions. I look forward to updating the market in coming periods on the progress of the studies."

Related article: [Australia's first green hydrogen project certified](#)

The feasibility studies costs will be equally shared by all parties to the Agreement and it is anticipated the initial feasibility studies would be completed in around 12 months. DBI remains committed to consulting with the community, traditional owners, DBT's users and other stakeholders as part of the project development process.

Major Queensland coal port to investigate pivot to green hydrogen exports

Michael Mearns 24 February 2022



The Dalrymple Bay Terminal. (Page 04/7)

One of the world's largest coal ports is looking to establishing a new green hydrogen production and export facility as it looks to a future beyond coal.

The ASX-listed Dalrymple Bay Infrastructure announced on Thursday that it had signed a funding agreement with major shareholders and potential project partners to conduct a feasibility study that will assess the viability and scale of a potential hydrogen production facility at Hay Point in Queensland.

The company operates the Dalrymple Bay Terminal, one of the world's largest export terminals for metallurgical coal, and which is served by coal producers in the Bowen Basin.

It says it is now looking to hydrogen exports as an opportunity to diversify its business. Interestingly, it is 49 per cent owned by Brookfield Infrastructure Group, part of the funds management giant that has teamed up with Mike Cannon-Brookes for a bid for AGL with a view to fast tracking the closure of its coal generators.

The parties to the funding agreement included North Queensland Bulk Ports Corporation, Brookfield and Japanese trading company ITOCHU Corporation. The partners will share the costs of the feasibility study.

The group signed a memorandum of understanding in August last year and will now cooperate on the assessment of the investments needed to adapt the port's existing infrastructure for hydrogen exports.

Dalrymple Bay Infrastructure said the port, which has served as a key export terminal for metallurgical coal, had characteristics that also made it an ideal location for the production and export of hydrogen.

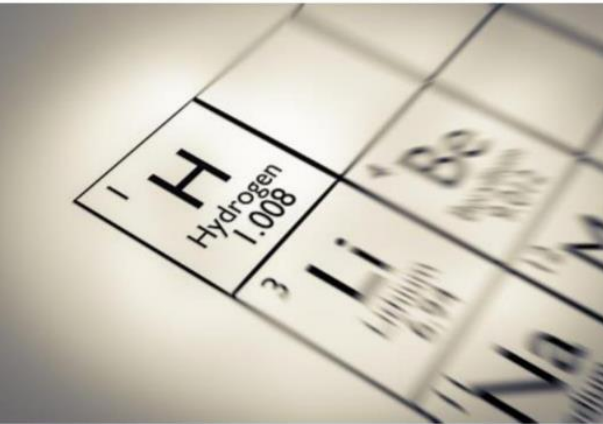
"DBT is ideally placed as the location for a possible green hydrogen facility due to its deep-water port, access to the established Mackay industrial zone, availability of land and water, and position within one of Queensland's Renewable Energy Zones," the company said in a statement.

"Dalrymple Bay Terminal will continue to play an essential role in the global steel sector. However, DBI has commenced the development of an overarching transition strategy and these feasibility studies are just one step that DBI is taking in its efforts to diversify the business," DBI's CEO Anthony Timbrell added.

"By engaging with key stakeholders in this early stage of the process we can ensure DBI continues to provide essential infrastructure while supporting a global transition to lower emissions. I look forward to updating the market in coming periods on the progress of the studies."

IQ IQ Industry Queensland
1,167 followers
21h •

Development of the Dalrymple Bay Hydrogen Project in Central Queensland has moved a step closer with industry heavyweights in a funding deal to complete detailed feasibility studies. #hydrogen #renewableenergy #coal
Dalrymple Bay Infrastructure North Queensland Bulk Ports Corporation ITOCHU International



Funding pact to move CQ hydrogen project forward | IQ Industry Queensland

industryqld.com.au • 1 min read

Media coverage included (left to right) Energy Source & Distribution, Renew Economy, and Industry Queensland.

Louisa Creek property demolition works (21-23 Feb 2022):



Tributes for miner

A DEVOTED father and grandfather is being remembered for his work ethic and concern for his team after his sudden death at a Bowen Basin mine.

Chris Ryan suffered a medical episode while on shift at BHP's Georgetown Riverside on Monday.

Mr Ryan served C&I Resources and worked in the BHP shutdown team for the past five years, as well as across the wider Georgetown operation.

Mr Ryan's wife Heather paid tribute to her husband with a moving message on social media.

"Goodnight and sweet dreams, my love," she wrote. (2022) PAGE 9

Omicron explosion

STAFF shortages and declining foot-traffic thanks to an Omicron alert are affecting businesses across Mackay.

Signs have been plastered on some Candied Central shops saying they are closed until further notice while other businesses are letting customers know on Facebook.

Small businesses in the city centre are working with staff and their customers, other workers, are being allowed to work from home.

A business survey found about 40 per cent of Mackay businesses had suffered major or critical supply chain disruptions.

DISAPPEARING COASTAL TOWN

FROM 200 TO 31 HOMES

Coal terminal expansion to envelop seaside suburb

EXCLUSIVE

likely to meet the wrecking ball. Some remaining residents, including NQBP tenant Marie Berg and her neighbour Betty Hobbs, a private homeowner, fear the works will wipe out the town.

What used to be 200 homes at Louisa Creek is now 31.

North Queensland Bulk Ports owns 25 of them and is making moves to demolish eight of them as part of facility expansion works.

The people that lived here were very proud," she said. "It was like a big family."

Now Marie Hobbs says she is moving out for the community with those of lower market value or little return on the company investment.

There are few homes left at Louisa Creek as the town shrinks to make way for the expansion of the Dalrymple Bay coal terminal. Picture: Heidi Pettit

NQBP to demolish 8 Louisa Creek homes for coal terminal expansion

A once tranquil coastal town in Queensland is facing "depopulation" as a state-owned entity lays up land to prepare for a massive expansion. Read why residents fear the works.

Heidi Pettit and Tera Noko

Mackay

Start continued on the front page. Followed categories will be added by NewsHub.

Driving into the small community of Louisa Creek, a chorus of wildlife and birds greet visitors near a serenely tranquil beachfront.

But one step onto the beach and a look to your right immediately reveals the coal terminal stretching 2.5km out to sea as ships get their fill of coal and export it around the globe.

The unnatural juxtaposition has been a way of life for Louisa Creek residents since the Dalrymple Bay Coal Terminal was established in 1953.

But the compromise in lifestyle that comes with living next to the busy Port of Hay Point could soon be a thing of the past as two residents speak out on what they say has been a slow "depopulation" of their town.

What used to be 200 homes is now 31.

North Queensland Bulk Ports owns 25 of them and is making moves to demolish eight of them as part of early facility expansion works.

NQBP is a state government-owned entity running port operations at Hay Point, Mackay, Abbot Point and Weipa.

It recently called for tenders to demolish eight of its Louisa Creek properties, with those of lower market value or little return on the company investment likely to meet the wrecking ball.

"NQBP undertakes a condition assessment on properties it owns at Louisa Creek at the end of their lease agreement," a spokeswoman said.

"Following the demolition works, the vacant sites will be maintained as part of an ongoing maintenance program, which has been in place for NQBP properties/sites at Louisa Creek and Hay Point for over 20 years."



Media coverage included (left to right) The Daily Mercury (syndicated across Qld partner papers including Courier Mail) and 7 News Mackay.

NQBP's response to media enquiries re Louisa Creek property demolition works:

North Queensland Bulk Ports Corporation (NQBP) works closely with its key stakeholders in planning the future of its ports.

Louisa Creek beach area is considered a community area and is home to those residents who live there, some for a long period of time.

NQBP appreciates that with the port operations being within close proximity to properties in the Louisa Creek beach area, some residents may wish to relocate and, accordingly, has a voluntary property purchase program in place.


This program has been in place for more than 20 years, whereby property owners within the Louisa Creek beach area wishing to relocate are able to approach NQBP to negotiate the potential purchase of their property. Market valuations are comparable to those of the surrounding beach communities, enabling the sellers to buy into the local market and relocate accordingly. The condition of these properties is then further assessed in accordance with NQBP's policy, with the properties either leased or demolished.

MEDIA REPORT CONT'D

A sample of NQBP's social media posts relating to the Port of Hay Point (Jan – Feb 2022).

North Queensland Bulk Ports Corporation
14 February at 12:00 · 🌐

A purple hulled vessel is not a common sight here at Hay Point. NQBP Marine Pilot William Woest thought it was such a rare opportunity that he snapped this great pic of the Honor Diva inbound at sunset 📸




👍❤️ 51 2 comments 14 shares

North Queensland Bulk Ports Corporation
14 January · 🌐

Team work makes the dream work 🙌

See the port tugs in action as they hold the ship alongside at Dalrymple Bay berth four as the sun rises 🌅

👤 Our Port of Hay Point Marine Pilot William Woest.



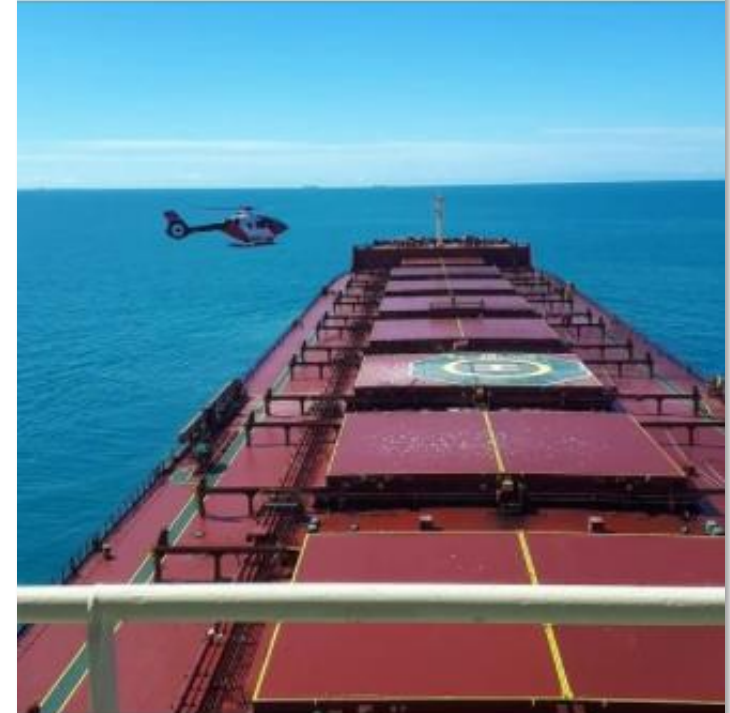
👍❤️ You, Sharone Carter, Bronwyn Kapitzke and 30 others 9 shares

North Queensland Bulk Ports Corporation
24 January · 🌐

"Get to the choppa!" 🚁

An Aviator Group Airbus helicopter undertaking a Marine Pilot Transfer on the MV Venus Horizon as it heads safely out to sea from the Port of Hay Point and on it's way to Japan.

The aircraft are based at the Port of Hay Point helipad and are on duty 24 hours a day, seven days a week.... See more



👍❤️ 27 1 comment 3 shares

Cruisin' the Coast Fun Run (Sarina Surf Lifesaving Club) – May 2022

This major event partnership strengthens our connection with our Hay Point and Mackay port communities.

Bicycle Education Program (Mackay PCYC) - to be launched in April 2022

A valuable community education program promoting bike, road, and rail safety awareness across Sarina, Hay Point and Mackay schools.



Competitors cross the finish line at the 2021 Cruisin' the Coast Fun Run (right).

- Review of NQBP community investment program currently underway.
- Re-engineered program to be introduced by June 2022.

Aim:

*To better align community partnerships with NQBP's core values of **Integrity**, **Respect**, **Excellence**, and **Unity** and embrace the principles of diversity and inclusion – e.g. gender diversity and First Nations Peoples.*



INTEGRITY



RESPECT



EXCELLENCE



UNITY

Work experience students

- 3 students in March/April
- Maintenance and Operations/Pilotage

Apprenticeships

- 1 x Apprentice Plumber
- 1 x Apprentice Electrician

Recent recruitment

- Support Specialist (IT)
- Maritime Service Operation Officer
- Marine Pilot



Nominations

- Two applications received
- Funds available - \$5,000

Criteria (Terms of Reference):

- Environmental / social / cultural benefit.
- Level of benefit to the community.
- Ability of applicant to implement initiative.

Next steps:

- CRG members will receive an email with voting instructions.
- Votes to be received via email by COB Fri 18 March.

Nomination	Nominator	Summary	Amount
SUPPLY AND INSTALLATION OF SENSOR LIGHTING AT HECTOR HALL AT LOUISA CREEK	Marilyn Maher	Supply and installation of sensor lighting at Hector Hall. This is for the safety of everyone using the hall, especially at night. These will be fitted at the exits: front leading to the car park and the back to the toilets. A central light switch for the hall to be located at the front main entrance door.	\$2,216
SCIENCE PHYSICS TEACHING KITS FOR SARINA STATE HIGH SCHOOL	Peter Douglass	Purchase of three Arduino science physics teaching kits to support the development of Sarina State High School students in the STEAM (Science, Technology, Engineering, Arts and Mathematics) field. The kits would complement the present curriculum, particularly as teaching aids for the fields of electricity, magnetism and applied electronics.	\$4,979.15

Arduino science physics teaching kits:



Enable middle school students to think and act like real scientists.

Science teachers who want to bring an inquiry-based, hands-on approach to their middle school classrooms can enable their students to think and act like real scientists with Science Kit Physics Lab. Developed in partnership with Google, the kit and nine exciting projects challenge students to explore and explain the physics behind amusement park rides, make their own hypotheses, check their assumptions and log data.

NUMBER OF STUDENTS PER KIT: Optimal for 2 students per kit

NUMBER OF LESSONS / PROJECTS: 9 projects (1 project equals 2 x 45 minute lessons)

LANGUAGES: English, German, Italian, Spanish, Portuguese, Hungarian

TARGET: 11 - 14 years (Middle School)

For more info visit: store.arduino.cc/physics-lab

Developed in partnership with



"The Arduino Science Kit Physics Lab is a one stop shop for all the experiments that you can do. Covering magnetism and motion, combined into one box making it really accessible for students. They can just pick it and get going."

Gzaeme Wood, Physics Teacher



WHAT IS THE SCIENCE KIT PHYSICS LAB?

Science Kit Physics Lab includes all the hardware and software needed to assemble and conduct **nine fun physics experiments** based on favorite amusement park rides, covering electromagnetism, thermodynamics, kinetics, and kinematics. The kit includes a range of sensors to measure light, temperature, motion, and magnetic fields, along with a set of props and access to online course content for both teachers and students. You'll just need to provide a few classroom supplies (pencils, rulers, etc.) and a LiPo battery. No prior electronics knowledge is necessary - just plug and play! We recommend two students per kit.



KEY LEARNING VALUES

- Present experimental data in tables and charts.
- Evaluate a scientific hypothesis.
- Explore possible variables to design an open-ended investigation.
- Distinguish between a conductor and an insulator, and measure resistance and conductivity of different materials.
- Represent magnetic fields through sound.
- Investigate the effect of materials between a magnet and the magnetometer on the strength of magnetic field.
- Compare the thermal conductivity of different materials.
- Identify materials that are thermal conductors or thermal insulators based on experimental observations.
- Describe the motion of a pendulum, measure its period and frequency, monitor its acceleration, and identify the forces acting on it.

PRODUCT BENEFITS

- Enables students to think critically, solve problems, and get them acquainted with data analysis.
- Easy to set up.
- Extensive learning outcomes help students to thrive in science.
- Create a playful, collaborative environment where students want to learn.

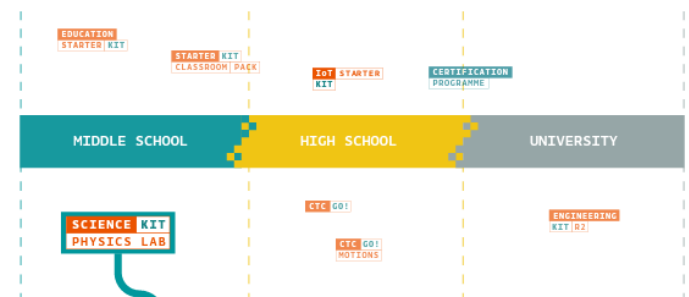
CURRICULUM ALIGNMENT

Science Kit Physics Lab projects are aligned with national curricula for students aged 11-14 including the Next Generation Science Standard (NGSS) for K-12 in the U.S. and the National Curriculum of England. Additionally, these lessons teach students important 21st-century skills such as problem-solving and critical thinking.



ARDUINO® EDUCATION LEARNING EVOLUTION

Our aim is to help students achieve their dream careers in STEAM. Our cross-curriculum content and open-source approach are essential tools for STEAM classes that develop with students as they progress through middle school, high school, and university, preparing them for a successful future.



Step by step, we champion students as they progress through their STEAM education with projects that increase in complexity to challenge them as they develop their skills.

We support students in achieving successful careers in STEAM-related fields with educational kits that are targeted to their age and ability. The technology is practical, creative, and fun. Students learn using the same products that companies around the world use in applications like rapid prototyping, AI, drone technology, and developing machine learning.

We are currently focused on translating our content into more languages and mapping it to more curricula. If you have a project that you would like to have localised for your country, please contact us with your suggestion.

For more info visit: arduino.cc/edu



GENERAL BUSINESS

- MSQ Update
- BMA Update
- DBCT Update
- DBI Update
- Any other general business?

- What topics would you like to hear more/less of?
 - Corporate strategy
 - Trade and operations
 - Engineering and development (projects/maintenance)
 - Environmental monitoring
 - Communications

**Next meeting –
15 June 2022**