CURRICULUM RESOURCE
K TO 6 UNITS

EDUCATION LEAD: BEN NEWSOME CF
UTS CHANCELLOR'S AWARD FOR EXCELLENCE
& CHURCHILL FELLOW

OVERVIEW

To support the delivery of the curriculum, staff require teaching assets that bridge the gap between syllabus outcomes and classroom practice. This bundle provides 16 structured units designed to standardise science delivery across Kinf=dergarten to Grade 6

INTEGRATED CURRICULUM DIFFERENTIATION

A primary strength of this resource is the built-in differentiation, allowing teachers to adapt a single unit for varied ability groups within the same classroom:

- **Kindergarten – Year 2**
  Focuses on visual discovery, tactile play, and sensory-led demonstrations.
- **Years 3 – 4**
  Shifts toward independent investigation, interactive quizzes, and fair test variables.
- **Years 5 – 6**
  Focus on rigorous scientific inquiry, data analysis, and evidence-based conclusions.

REGULATORY COMPLIANCE & DOCUMENTATION

- Comprehensive alignment with Australian Curriculum v9.0, NSW 2024 Syllabus, Victorian F–10 v2.0, IB PYP & MYP, Cambridge International, US NGSS, The Ontario Curriculum & The New Zealand Curriculum
- Assessment Tools with formative knowledge quizzes and summative marking rubrics for student projects.

© FIZZICS EDUCATION ALL RIGHTS RESERVED

CURRICULUM RESOURCE K TO 6 UNITS

EDUCATION LEAD: BEN NEWSOME CF
UTS CHANCELLOR'S AWARD FOR EXCELLENCE
& CHURCHILL FELLOW

OPERATIONAL IMPACT

- **Standardised Assessment linked with Curriculum**

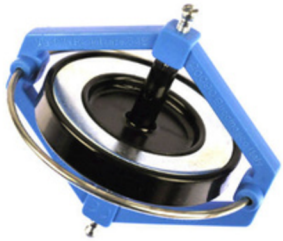
  Includes pre-built marking rubrics and formative quizzes to ensure consistent reporting across year levels. We can incorporate these with the units we have.

- **Teacher Workload Reduction**

  Provides classroom-tested, resource-neutral experiments (using everyday materials) with full risk assessments and safety frameworks.

- **Addressing Misconceptions**

  Targets known student misconceptions (e.g., seasons or gravity) to ensure conceptual mastery



IMPLEMENTATION & DATA PRIVACY

- **Resource Neutral**

  Evidence-based experiments are designed around safe, accessible, everyday materials to minimise departmental overhead & reduce risk.

- **Privacy Compliance**

  100% student data security. The platform requires zero student accounts, ensuring no PII (Personally Identifiable Information) is collected or stored.

RESOURCE ACCESS SUMMARY

- **Instructional Access**

  On-demand expert video guest-teaching (one teacher or whole school access)

- **Permanent Library** with all technical documentation, safety frameworks, and student worksheets retained by the school as permanent teaching assets on download

© FIZZICS EDUCATION ALL RIGHTS RESERVED

CURRICULUM RESOURCE
K TO 6 UNITS

EDUCATION LEAD: BEN NEWSOME CF
UTS CHANCELLOR'S AWARD FOR EXCELLENCE
& CHURCHILL FELLOW

ABOUT FIZZICS EDUCATION

Founded in 2004, Fizzics Education is a global leader in the design and delivery of high-impact science education. Our mission is to provide educators with the tools and expertise required to foster deep inquiry and scientific literacy in the primary classroom.

PROVEN GLOBAL IMPACT

- **4 Million+ Students**
  Our programs have been delivered to students across Australia, the USA, and over 40 countries via live video conferencing and in-person workshops.
- **Corporate & Government Partnerships**
  We provide STEM outreach for leading organisations, including the NRMA, Optus, the GWS Giants and many more
- **Award-Winning Pedagogy**

EXPERT LEADERSHIP: BEN NEWSOME CF

Ben Newsome CF is a qualified science teacher, 2013 Churchill Fellow, and founder of Fizzics Education. Having reached over 4 million students, his work has earned the UTS Chancellor's Award for Excellence and a spot as an ASETNSW Ambassador. Author of 'Be Amazing!' and host of the FizzicsEd Podcast,

Ben serves on international boards such as Educating for Leadership (Alaska) and as a board advisor to the Center for Interactive Learning & Collaboration to advance global STEM learning.

© FIZZICS EDUCATION ALL RIGHTS RESERVED