WOW Resource links with the Australian Curriculum

DIY Audit Kit

The Do-It-Yourself Audit Kit is designed to be used by sites with less than 100 students, or for use by individual classes. You can print the DIY Audit Resources to create your own kit.

Students can be involved with the various tasks required:

- *Adult supervisor*: to oversee the audit procedure and ensure the safety of all involved.
- *Photographer*: photograph proceedings and unusual findings for use in reports and newsletter articles.
- *Squasher*: squash material in container to estimate volume and give volume estimate to the recorder.
- *Weigher*: place container on scales and give weight to the recorder.
- *Recorder*: record the weight and volume data on the data sheet and note any unusual findings.
- *Tipper*: once the information has been recorded, empty the contents of the container into a garbage bag/bin.

Year Two

Mathematics

Statistics and Probability – *Data representation and interpretation*

- Identify a question of interest based on one categorical variable. Gather data relevant to the question (ACMSP048).
- Collect, check and classify data (ACMSP049).

Year Three

Mathematics

Statistics and Probability - *Data representation and interpretation*

- Identify questions or issues for categorical variables. Identify data sources and plan methods of data collection and recording (ACMSP068).
- Collect data, organise into categories and create displays using lists, tables, picture graphs and simple column graphs, with and without the use of digital technologies (ACMSP069).
- Interpret and compare data displays (ACMSP070).

Science

Science Inquiry Skills - *Planning and conducting*

- Safely use appropriate materials, tools or equipment to make and record observations, using formal measurements and digital technologies as appropriate (ACSIS055).

Processing and analysing data and information

- Compare results with predictions, suggesting possible reasons for findings (ACSIS215).

Communicating

- Represent and communicate ideas and findings in a variety of ways such as diagrams, physical representations and simple reports (ACSIS060).

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Year Four

Mathematics

Measurement and Geometry - *Using units of measurement*

- Use scaled instruments to measure and compare lengths, masses, capacities and temperatures (ACMMG084).
- Compare objects using familiar metric units of area and volume (ACMMG290).

Statistics and Probability - *Data representation and interpretation*

- Construct suitable data displays, with and without the use of digital technologies, from given or collected data. Include tables, column graphs and picture graphs where one picture can represent many data values (ACMSP096).

Year Five

Mathematics

Number and Algebra - *Number and place value*

- Use estimation and rounding to check the reasonableness of answers to calculations (ACMNA099).
- Use efficient mental and written strategies and apply appropriate digital technologies to solve problems (ACMNA291).

Measurement and Geometry - *Using units of measurement*

- Choose appropriate units of measurement for length, area, volume, capacity and mass (ACMMG108).

Statistics and Probability - *Data representation and interpretation*

- Pose questions and collect categorical or numerical data by observation or survey (ACMSP118).
- Construct displays, including column graphs, dot plots and tables, appropriate for data type, with and without the use of digital technologies (ACMSP119).
- Describe and interpret different data sets in context (ACMSP120).

Year Six

English

Language - *Expressing and developing ideas*

- Identify and explain how analytical images like figures, tables, diagrams, maps and graphs contribute to our understanding of verbal information in factual and persuasive texts (ACELA1524).

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Year Seven

Maths

Number and Algebra - *Real numbers*

- Connect fractions, decimals and percentages and carry out simple conversions (ACMNA157).

Science

Science Inquiry Skills - *Communicating*

- Communicate ideas, findings and solutions to problems using scientific language and representations using digital technologies as appropriate (ACSIS133).

Year Nine

Science

Science Inquiry Skills - *Questioning and predicting*

- Formulate questions or hypotheses that can be investigated scientifically (ACSIS164).

Communicating

- Communicate scientific ideas and information for a particular purpose, including constructing evidence based arguments and using appropriate scientific language, conventions and representations (ACSIS174).

Year Ten

Science

Science Inquiry Skills - *Processing and analysing data and information*

- Use knowledge of scientific concepts to draw conclusions that are consistent with evidence (ACSIS204).

Communicating

- Communicate scientific ideas and information for a particular purpose, including constructing evidence based arguments and using appropriate scientific language, conventions and representations (ACSIS208).