

# Design & Create

## Intermediate - 3D Printer

### Package E includes:

- 1 x Up 300 3D printer
- 5 x Up Filament White
- 1 x Scan N Cut Machine
- 1 x Professional Learning Development session



### Combine this package with FREE Genesis School-gen STEM resources

#### Maker Projects

Make an advanced hydro turbine – students will understand how to harness the energy of running water.

Make a wind turbine – students will see how fast the wind's energy can spin a turbine.

Make a sun inclinometer – students will explore how the sun rotates and how this changes the angle of the sun.

Click [here](https://schoolgen.co.nz/for-teachers/resources) to download the resource or visit [schoolgen.co.nz/for-teachers/resources](https://schoolgen.co.nz/for-teachers/resources)

#### Equipment use idea:

Use the 3D printer technology to make the components needed to construct a hydro turbine, wind turbine and sun inclinometer.



Advanced hydro turbine



Wind turbine



Sun inclinometer



**OfficeMax are excited to support the Genesis School-gen Trust – helping schools get the STEM equipment they need**

#### Professional Learning Development Online Session Redemption:

Felicity Rea is an OfficeMax Learning Consultant with 14 years teaching experience. She is passionate and innovative about deepening learning across the curriculum for all tamariki in Aotearoa using digital technologies and hands on, purposeful, real-life projects. A one-hour online professional development session with Felicity is provided with this package.

The recipient school will be contacted by phone and/or email. Where the equipment package is won by an OfficeMax account customer, the recipient school is the legal entity as named on the account. We reserve the right to use the recipient school's name(s) for publicity purposes. The recipient school must confirm by 29 February 2024 when they wish to redeem the online PD session. The online PD session will be run from Term 1 2024 to Term 3 2024 (subject to Felicity Rea's availability, excluding public holidays and weekends).

**Terms & Conditions:** Please note that we may discontinue offering the exact products that are described in this package. If an order is received for a discontinued product, we may supply you with another product that most closely matches the product offered, but this may differ as to brand and/or manufacturer. Products in the package cannot be changed or exchanged. Product images pictured are indicative only and do not represent contents of the package.