OREGON NATIONAL PRIMATE RESEARCH CENTER

The ART of Reproductive Medicine

The ART of Reproductive Medicine curriculum enhances the study of:

- Anatomy & Physiology
- Cell Biology & Biochemistry
- Genetics & Epigenetics
- Biotechnology & Bioengineering
- Reproduction & Development
- Stem Cells & Ethics

Through learning the normal processes of reproduction and development, students will begin to appreciate how conditions — such as polycystic ovarian syndrome, endometriosis, and damage due to cancer treatments — can lead to infertility. Students will learn about the biomedical research currently being done to address each condition and about the ART (assisted reproductive technologies) that have been developed to help infertile couples have children.

The ART of Reproductive Medicine is ready to use and includes:

- PowerPoint presentation on each topic
- Teacher background materials
- Labs and/or case studies on BRCA1 and BRCA2 breast cancer genes, p53 tumor suppressor genes, stem cell microarrays, cryopreservation of cells, scaffolds to maintain cells in 3-D, and more
- Scientific papers and additional resources
- NGSS alignment

Exciting new high school curriculum enriches biology instruction

Connects biology and biomedical research

Features current research in the fields of infertility and in ART (assisted reproduction technologies)

Access the curriculum at:

http://www.ohsu.edu/xd/research/centers-institutes/onprc/public-outreach/ART-of-Reproductive-Medicine.cfm

For questions or comments about the curriculum:

contact Lynda Jones at **jonesly@ohsu.edu**

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