

GEOGRAPHY VIRTUAL REALITY PROJECT TOOLBOX 2019, Prof. Nerve Macaspac

ITEM	PRODUCT	QTY	UNIT PRICE	URL	NOTES
CAMERA	Insta360 ONE X (CHOOSE: Battery Kit)	3	\$501.95	https://store.insta360.com/product/one_x?insrc=INRD38Y	Battery Kit includes 1x Insta360 ONE X, 1x Invisible Selfie Stick, 1x 32GB MicroSD Card, 1x Cold-Weather Battery and 1x Charging Station; Comes with free cold-weather battery and selfie stick if purchased through the company site
ACCESSORIES	Venture Case	3	\$44.00	https://store.insta360.com/product/Venture_Case	Clear protective case designed to protect One X from the harsh realities of action shots
	Extended Selfie Stick	3	\$69.00	https://store.insta360.com/product/Extended_Edition_Selfie_Stick	Extended selfie stick is three times longer than the normal version, allowing filming in places that are usually out of reach; can mimic a drone effect
	Drifter	3	\$30.00	https://store.insta360.com/product/Drifter	Drifter is aerodynamic allowing you to accurately aim and glide your camera through the air, it's also designed to protect your camera on landing. You can combine this action with the slow motion feature in the One X to create some very unique shots not possible with any other camera.
	Bullet Time	3	\$55.00	https://store.insta360.com/product/bullet_time_handle	Bullet Time is a kind of Matrix-like effect that is only possible with 360 cameras.
	GPS Smart Remote	3	\$49.00	https://store.insta360.com/product/GPS_Smart_Remote	One X has a Bluetooth connection so you can use this remote to start and stop recording without being in the shot; pretty standard accessory, but an important one for a 360 camera
	Battery/Charging Station/Bundle (Cold Weather Battery Bundle)	3	\$93.00	https://store.insta360.com/product/ONEX_Battery	Cold-Weather Battery Kit includes 2x Cold-Weather Batteries and 1x Charging Station.
CASE	Pelican 1200 Case with Foam (Yellow)	3	\$51.86	https://www.amazon.com/dp/B0051QYF5E?aaaxitk=xQ8kpCuod7R.4uCF-vlGSg&th=1	
TRIPODS	All-Purpose Tripod	3	\$34.90	https://store.insta360.com/product/all_purpose_tripod	
MEMORY CARD & CARD ADAPTERS	SanDisk Extreme 128GB microSDXC UHS-3 Card	6	\$28.48	https://www.amazon.com/gp/product/B06XX3X9JD/ref=as_li_qf_sp_asin_il_tl?ie=UTF8&tag=skiing0b4-20&camp=1789&creative=9325&linkCode=as2&creativeASIN=B06XX3X9JD&linkId=dce4c17e8f3bf99a34abfa789b108f54	
	Vanja USB 3.0/USB Type C Card Reader for Micro SDXC	3	\$11.99	https://www.amazon.com/Vanja-Reader-Adapter-Portable-Memory/dp/B07MBD66GZ/ref=sr_1_3?gclid=Cj0KCQjwrjdjnBRDXARIsAEcE5YIAVAqDhGDGdzgOJL8zkgiy20b6QLyP45dxdpjFli8q_tZa7FW28vsaAorPEALw_wcB&hvadid=153672138152&hvdev=c&hvlocphy=9067609&hvnetw=g&hvpos=1t1&hvqmt=b&hvrand=4170441140964415472&hvtargid=aud-649564993678%3Akwd-157715961199&hydadcr=18032_9433277&keywords=usb-c%2Bsd%2Bcard%2Badapter&qid=1559691006&s=gateway&sr=8-3&th=1#customerReviews	
SOFTWARE	Insta360 VR		FREE	https://www.oculus.com/experiences/go/2032980400151422/	Insta360VR is a new app for Oculus Go that enables you to view your One X or EV photos wirelessly on Oculus Go
	Adobe Premiere		CSI license		Video editing software; for installation in CSI computers
VR HEADSET	Oculus Go 64GB	5	\$249.00	https://www.oculus.com/cart/	
	Oculus Go Case	5	\$35	https://www.oculus.com/cart/	

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PROPOSED STRATEGIC PROJECTS	TENTATIVE PRODUCTION	COURSES	
Smart Cities	Summer 2019 onwards	GEG 260 Urban Geography	
Dynamic World Regions	Summer 2019 onwards	GEG 101 World Regional Geography	
Mapping CSI Campus through VR	Fall 2019 onwards	GEG 260 Urban Geography	
VR and Sensory Ethnography of New York City	Fall 2019 onwards	GEG 260 Urban Geography	
Mapping Staten Island: VR Countertour	Fall 2019 onwards	GEG 260 Urban Geography	
Mobility and VR: Staten Island Ferry	Fall 2019 onwards	GEG 260 Urban Geography	
Deep Mapping: VR and Geographic Information Systems (GIS)	Spring 2019 onwards	GEG 212 Intro to GIS	
SELECT REFERENCES			
Possible Application of Virtual Reality in Geography Teaching (2017)			https://www.researchgate.net/publication/318102986_Possible_Application_of_Virtual_Reality_in_Geography_Teaching
Role of Virtual Reality in Geography and Science Fieldwork Education (2018)			http://www.niassembly.gov.uk/globalassets/documents/raise/knowledge_exchange/briefing_papers/series7/minocha250418.pdf
Applying Virtual Reality in City Planning (2016)			https://www.researchgate.net/publication/304055229_Applying_Virtual_Reality_in_City_Planning
Students swim with sharks, explore space, through VR (2018)			https://www.cnn.com/2017/09/18/health/virtual-reality-schools/index.html
How Virtual Reality Will Change How We Learn and How We Teach (2018)			https://theblog.adobe.com/virtual-reality-will-change-learn-teach/
When Virtual Reality Meets Education (2016)			https://theblog.adobe.com/virtual-reality-will-change-learn-teach/
How Virtual Reality Is Revolutionising Town Planning			https://www.digitalistmag.com/digital-economy/2016/11/18/virtual-reality-revolutionising-town-planning-04670711
The Role of AR and VR in Urban Planning, ARPost (2019)			https://arpost.co/2019/01/10/role-ar-vr-urban-planning/
AR Is Transforming Tech. What Can It Do for Cities?, CityLab (2018)			https://www.citylab.com/perspective/2018/08/ar-is-transforming-tech-what-can-it-do-for-cities/566618/
Here's how virtual reality is going to make city planning easier, Verdict (2017)			https://www.verdict.co.uk/heres-how-virtual-reality-is-going-to-make-city-planning-easier/