

Online teacher professional development: A research synthesis on effectiveness and evaluation; (Technology, Knowledge and Learning) Teacher
evaluation of OTPD with regard to ,Individual prerequisites ‘ and ,Media and tools used‘

First author	Individual prerequisites	Media and tools used	Notes
Al-Balushi (2015)	X	X	
An (2018)	X	X	
Arifani (2020)	X	X	
Arifani (2019)	X	X	
Aykan (2022)	pos: flexibility neg: lack of knowledge doing exercises	X	
Barquero (2018)	X	X	
Boltz (2021)	X	X	
Bosch (2019)	X	X	
Boulay (2013)	X	pos: videos, duration of tutorials	
Boumadan (2020)	X	X	
Brennan (2018)	pos: self-selection possibilities, needs addressed neg: intimidation with live hangouts	X	
Brodahl (2016)	pos: needs addressed	pos: use of podcasts neg: video length	
Budiastra (2020)	X	X	
Bustamante (2013)	X	neg: discussion forum(s)	dislike of discussion forum(s) by some teachers
Chaipidech (2022)	X	X	
Chien (2022)	pos: self-paced	X	
Ching (2014)	X	X	
Choi (2014)		X	
Clary (2017)	X	X	
Compen (2021)	X	X	
Correnti (2021)	X	X	
Dahri (2022)	pos: flexibility	X	
Dahri (2021)	X	X	

De Santo (2016)	X	X
Diac (2014)		X
Ding (2015)	pos: needs addressed	X
Engeness (2020)	X	X
Francis-Poscente (2013)	X	X
Gamrat (2014)	pos: flexibility, self-selection possibilities, needs addressed	pos: activity tracking tool, badge system
Giberti (2022)	X	X
Golding (2018)	X	X
Gunawan (2021)	X	X
Gunter (2017)	X	X
Gynther (2016)	pos: personalization, ongoing pd, flexibility	X
Hafour (2022)	X	X
Hall (2013)	X	neg: overwhelming LMS
Hanline (2013)	X	X
Herbert (2016)	pos: flexibility	X
Hinostroza (2021)	X	X
Ho (2016)	pos: flexibility	pos: discussion forum(s)
Hrytsenchuk (2021)	pos: flexibility	X
Huilcapi-Collantes (2020)	X	X
Irfannuddin (2021)	X	X
Jen (2022)	pos: flexibility	pos: discussion forum(s)
Jimoyiannis (2013)	X	X
Jocius (2022)	pos: flexibility	X
Joubert (2020)	X	X
Kandlhofer (2021)	neg: more flexibility	neg: additional tools necessary
Kao (2014)	X	X
Kaul (2018)	X	neg: little use of discussion forum(s)
Kennedy (2019)	pos: flexibility	X
Kim (2020)	X	X

Knies (2022)	pos: needs addressed	X	
Krasnova (2019)	X	X	
Laurillard (2016)	X	pos: discussion forum(s)	
Lazarinis (2019)	X	X	
Lee (2020)	X	pos: videos, discussion forum(s)	
Lee (2014)	X	X	
Lee (2016)	pos: needs addressed, self-paced, flexibility	X	
Luebeck (2017)	neg: underdemand, distraction	pos: use of new tech pos/neg: discussion forum(s)	discussion forum(s) both positively and negatively evaluated
Lynch (2021)	X	X	
Mailizar (2021)	X	X	
Marchak (2021)	X	X	
Marocco (2019)	pos: flexibility	X	
Martínez (2020)	X	X	
Mavroudi (2018)	X	pos: videos	
McConnell (2013)	X	pos: video conferencing	
Michos (2020)	X	pos: community awareness dashboard, use of new tech neg: little use of discussion forum(s)	
Milewski (2018)	X	X	
Moen (2018)	X	X	
Mswazie (2019)	pos: flexibility, suits living and working conditions, cost effective, no long travel, personalization	X	
Murai (2020)	X	X	
Mystakidis (2021)	X	pos: videos	
Ndlovu (2018)	pos: needs addressed	X	
Onguko (2014)	X	X	
Papadakis (2012)	pos: needs addressed	pos: LMS	
Pombo (2016)	X	X	

Power (2016)	X	X	
Ramírez-Montoya (2017)	X	X	
Ravitz (2017)	X	X	
Reeves (2012)	neg: lack of knowledge doing exercises	X	
Riel (2021)	X	X	
Russel (2019)		X	
Sahin-Topalcengiz (2020)	pos: flexibility, cost effective, suits living and working conditions neg: lack of motivation/confidence, inconvenience of e-learning	X	
Saiful (2020)	X	X	
Sánchez-Narváez (2017)	pos: flexibility neg: lack of motivation	X	
Schreiber (2020)	X	pos/neg: discussion forum(s)	some teachers liked freedom of expression, some felt the conversations highly regulated
Şenel (2021)	pos: flexibility	pos: checklists	
Simpson (2016)	X	X	
Situmorang (2022)	X	X	
Siyamta (2020)	X	X	
Sompong (2016a)	X	X	
Sompong (2016b)	X	X	
Stevenson (2019)	X	X	
Syamsuri (2020)	neg: inconvenience of e-learning	neg: edmodo page	dislike of edmodo page by some teachers
Tahiri (2019)	neg: lack of confidence (fear of being embarrassed)	X	
Tamani (2021)	X	X	
Terrazas-Arellanes (2019)	pos: needs addressed	X	
Tinoca (2013)	X	pos: e-folio, discussion forum(s) neg: little use of discussion forum(s)	
Topuzov (2021)	X	X	
Ulmame-Ozolina (2019)	pos: flexibility, disturbing context	pos: recorded webinars	
Ung (2022)	X	neg: additional tools necessary	

Urban-Waldron (2013)	X	X
Vezetiu (2020)	X	X
Vinagre (2017)	X	pos: wikis, skype
Vu (2014)	X	X
Walkington (2021)	X	pos: VR neg: lag time
Wathne (2017)	X	pos: podcasts
Weinhandl (2020)	pos: self-selection possibilities, self-paced	neg: additional tools necessary
Wuryaningsih (2019)	X	X
Xie (2017)	pos: needs addressed	neg: additional tools necessary
Zacharias (2017)	pos: autonomy (flexibility)	X
Zhang (2019)	X	X
Zhou (2020)	X	X
Zimmer (2022)	pos: self-selection possibilities, self-paced, flexibility	X

X = not investigated in the study or not assessed by teachers

pos = positively evaluated

neg = negatively evaluated