

An tSraith Shóisearach do Mhúinteoirí Junior CYCLE for teachers



Sample unit plan

This resource was developed as part of a Engineering webinar which aired on the 30th March and can be viewed on jct.ie within the CPD supports tile under the elective workshops tab.



Webinar Link: <u>https://www.jct.ie/technologies/cpd_supports_engineering_elective_workshops</u>

This webinar entitled "*Goal-orientated problem solving in the Engineering specification*" focused on how a teacher developed with a specific area of learning in mind, while also using Action Verbs to design the learning experience. Throughout the webinar the teacher involved discusses the thought process which went into the teaching and learning of the unit.

What is included in this PDF?

1. Sample unit of learning

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Included is the sample unit of learning developed by the teacher. Throughout the webinar this plan is developed to emulate the planning process that the teachers went through when developing the unit.

A big thank you to the teachers involved, for making these resources available to the JCt4 team.

Note: It is recommended that you watch the webinar in conjunction with using this resource to contextualise the resource and make a better connection between how the plan was developed.



	ENGINEERING DIGITAL PLANNING TOOL					REF
Ī	CLASS GROUP:	2nd Ye	ears	UNIT: Investigating a Crane/Model Making		Click or tap here to enter tex
	CLASS TEACHER:	Trevor Galv		TERM: Two START DATE:24/02/2020 DURATION: 2 weeks (6 Lessons)		-
2nd Year students who inventors, creating card peers in 1st Year. Learning Ou 1.6 engage with the var relating them to every 2.2 evaluate the factor 2.12 communicate the media 3.5 investigate the im- environment and soci 3.8 build and test a bar specific inputs or output Key Learning: Introduce Students a Enquire how an area their model part and they may have. Researching Engine they have investigat Researching the are such things such as a structures etc Link the use of this H Incorporate model r	rs that influence design eir design decisions using pact of mechatronics on the ety sic mechatronic system wouts to Model building using T a of Engineering may be a l highlight any prior know	ng lines by suitable he vith Yechnik. applied to wledge he area why" for ns, vday life to show e. ntation	Engage or inte Evalua judgen suppor limitat judgen Commu signs to interact togethe Investi system new co Build - Test - e of som - Creat - Use o and res - Group - Group - Teach - Peer f	DENTIFYING ASSESSMENT METHODS e - enter into or become occupied by an activity rest; to attract or hold interest and attention te - collect and examine evidence to make nents and appraisals; describe how evidence rts or does not support a judgement; identify the ions of evidence in conclusions; make nents about the ideas, solutions or methods unicate - use visual, gestural, verbal or other o share meaning or exchange information; ction between sender and recipient; both work er to understand gate - observe, study, or make a detailed and hatic examination, to establish facts and reach onclusions construct by putting parts or material together establish the quality, performance, or reliability ething Di on of the crane part f a 'learner log' sheet to collate prior knowledge search findings p discussion with their peers p discussion with the Teachers er feedback feedback ion of a Model f PowerPoint or a mood board to show their	Strategies/ Think/Pair/S Group work Teacher feed Peer Feedbac Teacher Dem Presentation Model Makin Resources Workshop Learner Log Computer Ro Technik Set	back ck nonstration g

This resource was created to support an online webinar broadcast on 30/03/2020 and sits within a wider unit of learning.

EFLECTION/NOTES:

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