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Assessment Webinar

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Image	Title and	Comments
	description	
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	Three little pigs Retell the story of the Three Little pigs using a light sensing robot such as Ozobot.	This task is suitable for formative or summative assessment purposes in which students explore algorithms with narratives or procedural text. Suitable for easy adaption with any narrative or procedural text or any kind of robotic device. In formative assessment do they create a working algorithm? Can students demonstrate how it works? Can they follow an algorithm correctly showing the pathway on the map? Looking at extended learning, do they code the steps "Fwd 6" rather than "fwd fwd fwd fwd fwd fwd"?

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	Lunch box data Use this assessment task to explore data collection, analysis and presentation.	Years 3-4 Provides a checklist to assist with assessment.
	Pixels and binary digits Students are given a bitmap image made up of coloured pixels. They explain how the image is made up of binary digits that represent each pixel. Students represent 8 colours using binary digits. Teachers assess the student's demonstrated knowledge/skills using the checklist provided.	Years 5-6 and Years 7-8 (discover what they know) You could provide the assessment task regardless of students experience with 3-bit binary. Refer to this site to explore and have a play and come back to the assessment task <u>https://studio.code.org/s/pixelation/stage/3/puzzle/1</u> Yrs 7-8 would focus on more complex binary numbers and 24-bit colour (made up of 3 x 8 bit binary digits).

SOLO taxonomy: Representing images using binary (5-b) For each endited to the universe of each of the endited to the universe Network of the endited to the universe of the endited to the universe Network of the endited to the universe of the endited to the universe Network of the endited to the universe of the endited to the universe Network of the endited to the universe of the endited to the universe Network of the endited to the universe of the endited to the universe Network of the endited to the endited to the universe of the endited to the universe Network of the endited to the endited to the universe of the endited to the universe Network of the endited to the end to the endited to the endited to the endited to the endited to the end to th	se minute los los de la construcción instalamente de la definición de la	PDF of solo taxonomy	You can use the solo taxonomy to help differentiate the task and help students progress from one stage to the next. Customise to create your own rubrics with your students' input. Try creating your own SOLO Taxonomy Rubric, based on the achievement standard text, on the HookED website! <u>http://pamhook.com/solo-apps/functioning-knowledge- rubric-generator/</u>
Name Date / 1 copid an oxisting program and made some Langes. Inferred to an oxisting program and made some Lange account of the set sourced the code. Inferred to an oxisting program and made some Lange account of the set sourced the code and discribed the set sitis light (find) the set source the code and light(find these skills using the 1 cari statements. Inferred to a to avisiting programming skills and light(find these skills using the 1 cari statements.	: stuck program. When i got stuck i sought hep, i also heped others when they got and I have described clearly any challenges I had and S new how I overcame them. and dils I have learned or used	BBC micro:bit projectStudents maintain a projectlog as evidence towards theirwork on creating a digitalsolution using the BBC:micro:bit. The teacherassesses the student'sknowledge and skills using thestudent's project log, self-reflection and think aloud.Includes a rubric which can bemodified. For example youcould add programming focussuch as have the studentsincluded user input, branchingand repetition (and are able toexplain these).	 Years 5-6 (can be adapted and modified for Yrs 3-4 or Yrs 7-8) Summative assessment Collect four pieces of evidence to assess students on this task. Design Students provide a document of their design that they created before implementing their digital solution. Project log Students provide their completed project log and use it to discuss how they progressed on the project and how effectively they used their time. Self-reflection Ask students to use the <u>Self-reflection</u> handout to self-assess themselves against the rubric supplied. Think aloud Ask students to create a brief presentation 'think aloud' that explains how they designed and created their digital solution.

Digital Technologies : Year 5 — The Cocking Institute – EV3 Robotics Name: Propose of assessment: To understand how different component make up a digital system. To use computational thinking to identify bugs in code and provide systems. To design, modify and evaluate apportments in sequence that include iteration. Name: Propose of assessment: To understand how different component make up a digital system. To use computational thinking to identify bugs in code and provide system. To design, modify and evaluate apportments in sequence that include iteration. Propose of assessment: To understand how different component make up a digital system. To use computational thinking to identify bugs in code and the system reserves and the system reserves and the system reserves and the system reserves and the system for and reserves and the system reserves. Possible constation of setting the system reserves and the system reserves. Colonal and the strategies and the system reserves and the system reserves and the system reserves. Colonal and the strategies and the system reserves and the system reserves and the system reserves. Colonal and the strategies and the system reserves and the system reserves. Colonal and the strategies and the system reserves and the system reserves. Colonal and the strategies and the system reserves. E strategies and the system reserves. Colonal and the strategies and the system reserves. E strategies and the system reserves. E strategies and the system	Whole school approach to coding (check out this resource for whole school approach ideas)Year 5 EV3 robotics sample assessment	Years 5-6 This assessment can be adapted for other robotics technology, not just Lego EV3.
EV3 Robotics project Select tasks to make up the required 50 points. You can choose any task and complete in any order. My robot Create a robot that moves. Demonstrate its functionality; it must go forwards and backwards and be able to turn left and right. Diving Test Origing the task to the payload. Combine the best ideas from each design to create a final disgin. Devise a suitable to task totask to task to task to task to task to tas	SOLO Taxonomy robotics This can be used as a guide but depends on your project focus. Assessing students' work in robotics In this short video, Dr Ethan Danahy talks through his assessment approach for a unit where students design and create a robotic animal in teams. This could be useful for teachers who are seeking	Years 7-8 Use a project based approach to assess students as they complete tasks that are self-chosen. Create rubrics negotiated with students.
	ideas for designing assessment around robotics projects, including assessment characteristics.	

	Draw or write an		
Create a line following Text-based code	algorithm to show the		
robot and explain how it Create your code usin			
works. Create a short 30 text-based programm			
second video to language. Demonstrat			
demonstrate it working how your robot works			
as you explain the and explain your choice	e 🔰 10 🏂 🔰		
sensors used and the of code.	THANK		
code you used.			
Coding Ninja Help another group to create their code. Gain a ninja token from that group. 10 Coding Ninja Help another group to create their code. Gain a ninja token from that group. 10 Coding Ninja Help another group to create their code. Gain a ninja token from that group. 10 Coding Ninja Help another group to create their code. Gain a ninja token from that group. 10 Coding Ninja Help another group to create their code. Gain a ninja token from that group. 10 Coding Ninja Help another group to create their code. Gain a ninja token from that group. 10 Coding Ninja token from that group. 10 Coding Ninja token from that group. 10 Coding Ninja token from that group. 10 Coding Ninja token from that group coding Ninja token from token from that group coding Ninja token from token from that group coding Ninja token from token from token from token from token group coding Ninja token from token from tok	e robot. Choose a parallel park, angle parking or 90° parking. Design feedback Give helpful design feedback to another		
	group.		
		ScratchJr: Assessment	Years F-4
SCRATCHOR	e North	ScratchJr Assessments is a	Assess students' understanding of programming concepts
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Name, manually server and sy full able of stage to fare year program 15. In Planty, Medicary		resource to assess students'	using block puzzles.
		understanding of the	
 Kons, Store, men de la Caterigner 		programming blocks in the	For consideration: Can students identify the correct
			TO COnsideration. Can students identify the correct
		ScratchJr iPad app.	output?
 Stear Or Tourbus Drag Ting Responses Mitianty Head Can Provide 		oor accrist in aa appi	•
			Extension: Can students create their own algorithm puzzles
			for peers?
Lag fragmen			
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Digital Systems: Assessment	checklist	Digital Systems	Years 5-6
This second should be seen idea and idea		Students create a concept	
This assessment checklist provides a guide to record student's demonstrated skills and knowledge. Year 5-6 Name:		map or mind map that	Concept mapping could be used for a variety of topics. This could even be undertaken at the beginning of a unit of instruction and at the end to compare student changes in
		demonstrates what they know	
		about digital systems, how	
Demonstrated knowledge skins	progressing		
The student creates a concept map or mind map that includes the fundamentals of digital system components such as:		different components are connected and the role they	learning.
 input devices eg keyboard, mouse and microphone 		play, using the school network	
 output devices eg monitor, speakers, printer hardware (all the physical components) and software (programs that instruct computer) look for day-to-day software students are familiar with and use 		as an example.	
 connections via cables, Wi-Fi or Bluetooth types of digital systems eg desktop computer, laptop/Chromebook, tablet, smartphone, server (file storage) 			
ANIMAL DAPTATIONS VERS 5-6 VERS 1-10-000 FEES / NERR - JOURDON VERS 5-6 VERS 1-10-000 FEES / NERR - JOURDON	to applying their knowledge to construct their own digital creature using	Intrettets	All DT Hub lesson ideas have assessment advice Click on the "Assessment" button.
Learning Sequence	ing hook to students about how animals have adapted over hundreds of thousands of yea we in their environment. Plata bears have fur to help them day warm in the arctic on pats on their feet to allow them to climb walls. And a green tree frog is camo omment.	Gekkos have	
DT+ TAKE A LEGO® BUILDING CHALLENG	E		
INTEGRATING DIGITAL TECHNOLOGIES TEAS 3-4 HOML / TEOHINS / INTEGRATE DIGITAL TECHNOLOGIE	3 / THE ALEOP RUDING CHILING		
In pairs, explore giving and following a sequence of step Curriculum links Assessment	ps and decisions to build a LEGO® toy.		
Learning Sequence 1 a. W Suggested steps pri Discussion ins	ted steps onling in pairs, students complete the construction of a LEGO® toy. One student in the student storage by the vestal interactional in the other students to fore to the students and the student of today and the students of today test to the students and the student of today and the students of today with students.	w to build inted	