

Build Your Own Personal Computer

Instructional Strategies

Introduction

The purpose of this document is to describe the strategies for the first four objectives in my Build your own PC instructional goal. My instructional goal is to assist learners in building a computer that will fulfill their needs as a computer user. Four of my objectives and their instructional strategies are shown below.

Objective 1

Given a list of typical computer uses, users will determine the purpose for the computer they wish to build. It must be a computing process.

Gagne's Nine Events

Gain attention of the learner	Attention will be obtained through an opening statement welcoming user and encouraging the build.
Inform learner of the objective	The objective(s) will be clearly stated following the opening.
Stimulate recall of prior knowledge	I plan to reference entry-level skills and other knowledge learners may possess about building/using computers.
Present content	Content will be presented in chunks (steps) so that the learner does not become bored or overwhelmed.
Provide guidance	Each step will have clear instructions, and will make use of examples and non-examples of finding the purpose of the build.
Elicit performance	I will prompt the learner to find the purpose for their build based on the information they have been given, and what they use computers for.
Provide corrective/supportive feedback	After assessing the learner's purpose(s) for building their own PC I will determine if it is adequate and provide feedback that reflects my evaluation.
Assess the performance	I will review the learner's purpose again if it did not fulfill the objective.
Enhance retention and transfer	The learner will receive a second explanation as to why the goal is important and how it should be conceived.
ARCS Model	The ARCS model will be applied through steps 1, 3, 7, and 9. Attention is called in step 1. Learners will recall necessary information in step 3 which will make both the old and new information relevant. In step 7, I will create confidence by providing constructive feedback. Finally in step 9 the user will completely satisfy the objective and receive satisfaction in progressing to the next objective.

Objective 2

Given a list of parts necessary for their computer's needs, users will put together a build list for their computer. The list must contain all the parts necessary for the users computing needs.

Gagne's Nine Events

Gain attention of the learner The learner will be congratulated on completing the first objective and introduced to the second objective.

Inform learner of the objective The second objective will be clearly stated.

Stimulate recall of prior knowledge The learner will be prompted to recall the purpose for their build.

Present content The learner will receive a list of necessary parts for a computer build. They will also be given a reference tool. The learners will be informed that they will be required to compile a list of parts for their build.

Provide guidance I will give the learners a walkthrough of the process for selecting parts. I will also provide some helpful websites that aid in this process.

Elicit performance The learners will be prompted to compile the list.

Provide corrective/supportive feedback After assessing the learner's hardware list for building their own PC I will determine if it is adequate and provide feedback that reflects my evaluation.

Assess the performance I will review the learner's purpose again if it did not fulfill the objective.

Enhance retention and transfer I will explain to the learner the importance of their build list and how it relates to the previous step and the next step.

ARCS Model Attention is called in event 1. Learners will recall necessary information from objective 1 which will make both the old and new information relevant. I will create confidence by providing constructive feedback. In the final event the user will completely satisfy the objective and receive satisfaction in progressing to the next objective. If they are unable to satisfy the objective I will go back to presenting content and providing guidance.

Objective 3

Given a list of software necessary for their computer's needs, users will put together a program list for their computer. The list must contain all the parts necessary for the users computing needs.

Gagne's Nine Events	The learner will be congratulated on completing the second objective and introduced to the third objective.
Gain attention of the learner	The third objective will be clearly stated.
Inform learner of the objective	The learner will be prompted to recall the purpose for their build.
Stimulate recall of prior knowledge	The learner will receive a list of basic operating systems, programs, and applications necessary for a computer build. The learners will be informed that they will be required to compile a list of software for their build.
Present content	I will give the learners a walkthrough of the process for selecting software. I will also provide some helpful websites that aid in this process.
Provide guidance	The learners will be prompted to compile the list of software.
Elicit performance	After assessing the learner's software list for building their own PC I will determine if it is adequate and provide feedback that reflects my evaluation.
Provide corrective/supportive feedback	I will review the learner's purpose again if it did not fulfill the objective.
Assess the performance	I will explain to the learner the importance of their build list and how it relates to the previous step and the next step
Enhance retention and transfer	I will explain to the learner the importance of their build list and how it relates to the previous step and the next step.
ARCS Model	Attention is called in event 1. Learners will recall necessary information from objective 1 which will make both the old and new information relevant. I will create confidence by providing constructive feedback. In the final event the user will completely satisfy the objective and receive satisfaction in progressing to the next objective. If they are unable to satisfy the objective I will go back to presenting content and providing guidance.

Objective 4

Given their hardware and software lists, users will purchase all parts and set up a work area that is clean and static free. The work area must be free of dirt, debris, and anything that might conduct static electricity (small amounts of static can damage computer parts).

Gagne's Nine Events

Gain attention of the learner	The learner will be congratulated on completing the third objective and introduced to the fourth objective.
Inform learner of the objective	The fourth objective(s) will be clearly stated.
Stimulate recall of prior knowledge	The learner will be prompted to recall the information included in the lists they generated.
Present content	I will present several websites where the learners can purchase parts. I will then instruct them to purchase the hardware and software components they previously chose.
Provide guidance	I will illustrate the process by which the learners can go about purchasing parts.
Elicit performance	The learners will be prompted to purchase parts.
Provide corrective/supportive feedback	I will give any additional tips necessary for the users to be able to purchase parts.
Assess the performance	The learners will have either received their parts or not by this point. If they have not I will inform them of mistakes that could be the cause of this.
Enhance retention and transfer	Learners will be reminded that this process will remain important as they may want to buy more components or upgrade their computer.
ARCS Model	The ARCS model will be applied through steps 1, 3, 7, and 9. Attention is called in step 1. Learners will recall necessary information in step 3 which will make both the old and new information relevant. In step 7, I will create confidence by providing constructive feedback. Finally in step 9 the user will completely satisfy the objective and receive satisfaction in progressing to the next objective.